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IAAM®
Advancement of Materials
to Global Excellence

International Association of Advanced Materials

Advancement of Materials to

SUSTAINABLE & GREEN WORLD

IAAM 15th year of ESTABLISHMENT

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Welcome Message

Celebrating a Decade and
A Half of Commitments to the

United Nations' Sustainable Development Goals

Net-Zero R&D

Monday, 22 January 2024 | Ulrika, Sweden

Dear Colleagues and Members,

Warm greetings from IAAM.

As the Secretary General, it is a pleasure to unveil the 15th annual book of the International Association of Advanced Materials (IAAM). This edition marks a significant milestone, this year celebrating over a decade and a half of our journey since the establishment of IAAM on January 20, 2010. It chronicles our key activities, notable achievements, and future aspirations. Driven by our pledge to '**Advancement of Materials to Global Excellence**', we concentrate on emerging domains such as materials for health, energy, electronics, and climate. Our focus is on fostering circular innovations and organic research for practical applications. IAAM councils, encompassing youth, academics, women, business, social, governance, and 'R&D World Links', embody the essence of our communities and consortiums. The journey to a climate-neutral future is complex and requires a collaborative effort involving policymakers, industry leaders, scientists, and the general public. Despite financial and infrastructural challenges, particularly in developing nations, the trajectory towards a sustainable world is clear. **The 15th annual book of IAAM** emphasizes the importance of global solidarity and climate diplomacy, recognizing the collective responsibility of materials community, educational institutions, research organizations, industry, policymakers, and civil society in achieving a climate-neutral world.

IAAM collaborates with organizations and individuals, showcasing their expertise, research, and innovation in adopting advanced technologies. We recognize significant contributions of institutions, companies and startups in advancing education, net-zero research and innovations of circular materials, vital for a sustainable and eco-friendly future. IAAM activities are dedicated to empowering materials research for the development of next-generation technologies to create a **'Climate Neutral Society'**. Furthermore, the convergence of advanced materials in energy and climate research with new knowledge, generates opportunities for circular R&D efforts on a worldwide platform and receives significant feedback and net-zero collaboration. **The United Nations** has accredited IAAM climate activities that are in line with the Sustainable Development Goals and fit with the action plans of the **European Green Deals,** which aims to make Europe carbon neutral by 2050 through a series of legislative measures. The 2030 IAAM Agenda for **"Advancement of Materials to a Sustainable and Green World"** is a major effort towards policy and governance robustness for the green transition to a global circular economy.

IAAM conducts its research, innovation, and education activities through its **Institute of Advanced Materials**, Institute of Artificial Intelligence and Robotics, International Institute of Water and Institute of Translational Research and Innovation. IAAM acknowledges outstanding scientific achievements and stimulates future progress. There are many IAAM supports available to researchers and students to secure fellowships, research grants, and travel awards for their career advancements. **The Advanced Materials Congress**, Baltic Conference Series, Fellow Summit, International Conclaves, and World Conference Series are the premier international IAAM's events that bring together *academia, industry, policymakers, governance and civil society* to discuss their experiences, cutting-edge findings, and collaborative research across disciplines organising in the major continents, including America, Asia, Europe, and Australia. IAAM also publishes three non-profit international scientific journals for open-access readerships**.** Our efforts demonstrate a genuine inclusion of information exchange, research, education, and international outreach for the benefit of society. We warmly welcome you in the IAAM to extend your global network and collaborations.

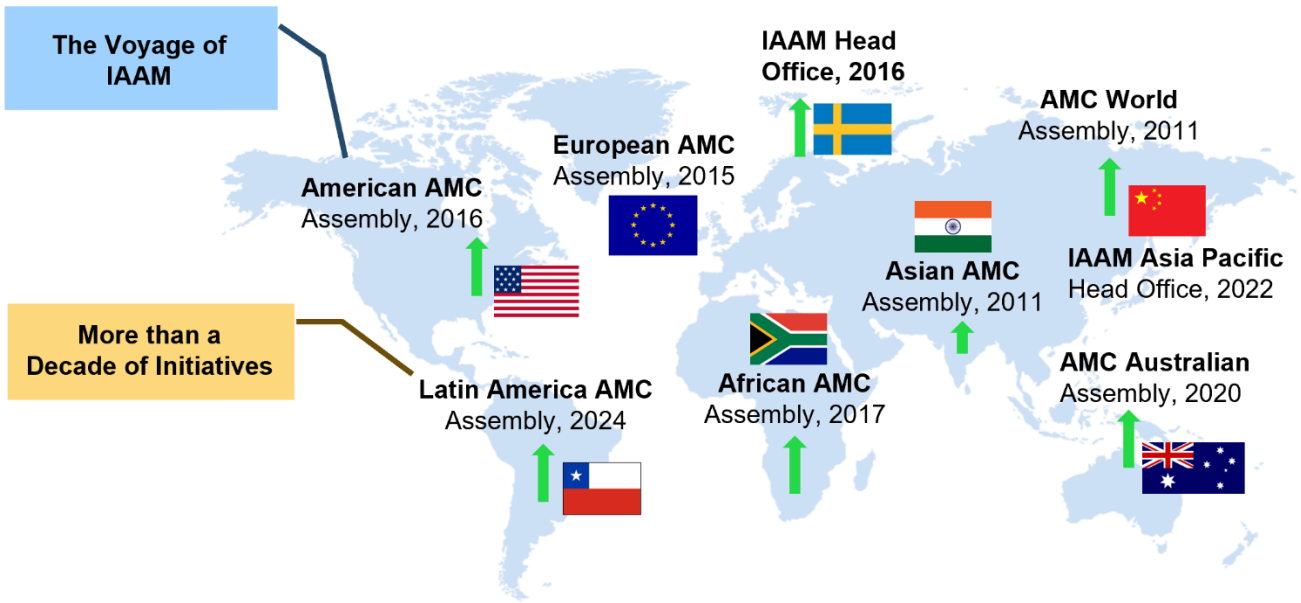
The 15th Anniversary of Advancing Materials

In the age of green technology, advanced materials have played a pivotal role in transforming industries and processes. Over the past 15 years, the International Association of Advanced Materials has emerged as a key player in advancing the materials. As IAAM marks its fifteen anniversary, this annual book reflects on its journey, emphasizing its focus on health, energy, electronics, and climate materials. IAAM's alignment with the United Nations' Sustainable Development Goals, emphasis on Net-Zero R&D, and vision of a sustainable, green world underscore its commitment to a climate-neutral future.

The International Association of Advanced Materials, founded in January 2010 as a non-profit entity, was created with the mission to promote and elevate the standards of advanced materials on a worldwide scale. The organization is dedicated to building a vibrant international network that fosters collaboration among researchers, students, and individuals from academia, industry, policymakers, governance, and civil society. This collaborative effort spans the interdisciplinary domains of advanced materials science, engineering, and technology. IAAM has strived to enhance the field of advanced materials, culminating in a global network committed to achieving excellence. IAAM's worldwide leadership in advancing materials, its diverse membership, and the influential role of IAAM Fellows in shaping the field's future are depicted in IAAM's circle infographics. As the association marks a decade of existence, we reflect on its remarkable journey and the collective contributions of institutes, industries, members, and delegates. These contributions have elevated IAAM to its current prestigious status.

Worldwide Activities & Achievements

The International Association of Advanced Materials believes that scientific knowledge and research should be accessible to people globally. To support this vision, IAAM publishes open-access journals and books on a not-for-profit basis. These initiatives ensure that the global materials science community stays informed about the latest advancements and progress in the scientific field. By offering free access to its publications, IAAM fosters an environment conducive to innovation, learning, and pioneering. IAAM's global journey reflect its progress across continents and demonstrates its timeline in achieving milestones. In summary, during the last 15 years, IAAM has been instrumental in removing obstacles to knowledge access, greatly contributing to the professional growth of individuals in the fields of materials science, engineering, and technology.



- Institute of Advanced Materials, 2015
- Institute of AI & Robotics, 2019
- International Institute of Water, 2023
- Institute of Translational Research & Innovation, 2023

- Advanced Materials Letters, 2010
- Advanced Materials Letters Proceedings, 2016
- Advanced Materials Letters Video Proceedings, 2020

IAAM's global journey in the timeline for coordinating research, education networks, and forums in materials science, engineering, and technology.

Over the past fifteen years, the International Association of Advanced Materials has orchestrated a series of strategic expansions and initiatives that have significantly advanced the field of materials towards global excellence. The IAAM's journey is marked by a string of successful assemblies and the establishment of key institutions, each contributing to the domain of advanced materials. In Asia, the inaugural AMC World Assembly in 2011, hosted by Jinan University in China, and the Asian AMC Assembly in the same year, hosted by Delhi University in India, were pivotal in connecting the continent's scientific community. The American AMC Assembly in 2016 in Miami, USA, and the European AMC Assembly in 2015 in Stockholm, Sweden, served as platforms for fostering international collaborations and showcasing cutting-edge research. The founding of the IAAM Head Office in 2016 in Sweden symbolized a commitment to long-term growth and the centralization of expertise.

The opening of the IAAM Asia Pacific Head Office in 2022 in China further solidified this commitment. Australia's engagement was marked by the AMC Australian Assembly in 2020 in Sydney, and the African AMC Assembly in 2017 in South Africa emphasized IAAM's dedication to embracing the diverse scientific landscape of Africa. The upcoming Latin America AMC Assembly in 2024 promises to extend this inclusive approach further.

Significant institutes such as the Institute of Advanced Materials and the Institute of AI & Robotics, both established in Ulrika, Sweden, in 2015 and 2019 respectively, reflect IAAM's focus on multidisciplinary research. The International Institute of Water and the Institute of Translational Research and Innovation was inaugurated in 2023, highlighting the importance of sustainable technology and resource management. IAAM has been at the forefront of knowledge dissemination through its non-profit open-access journals. Advanced Materials Letters, initiated in 2010 and published in Sweden, was followed by its proceedings in 2019 and the innovative Advanced Materials Letters Video Proceedings in 2020, introducing a multimedia approach to scientific publishing.

The association's global influence was further demonstrated by organizing Parallel Event W119 at the UN 2023 Water Conference at the UN Headquarters in New York, USA, and participating in the 28th Conference of the Parties (COP28) organized by the United Nations Climate Change in 2023 in Dubai, UAE. The Middle East AMC Assembly in 2022, hosted by Abu Dhabi University in the UAE, expanded IAAM's reach into the Middle East. Continuing its commitment to innovation, IAAM hosted the Translational Research and Innovation Conference in 2021 in China and continued to engage the scientific community through the Baltic Conference Series in 2017 and the World Conference Series in 2018.

Honors such as the Researcher of the Year award in 2016, the Advanced Materials Laureate in 2013, the Advanced Materials Award in 2011, and the IAAM Medal in the same year, have recognized individuals who have made groundbreaking contributions to the field. The IAAM's comprehensive and dynamic approach over the past fifteen years has not only advanced the science of materials but has also built a robust global community dedicated to innovation and sustainability in this crucial scientific domain.

The Association

The International Association of Advanced Materials (IAAM and Org. nr. 802503-6784) was established on January 20, 2010, as a non-profit organization dedicated to the advancement of materials science, engineering, and technology. With the guiding principle of promoting excellence in the field of advanced materials, IAAM has been actively fostering a dynamic community of researchers for a decade and a half. The organization is committed to facilitating international networking, collaborations, and joint ventures aimed at accelerating scientific progress. IAAM's efforts are particularly focused on leveraging advanced materials to address critical global issues. IAAM organizes global research and educational events to promote growth in advanced materials science, engineering, and technology. Celebrating its fifteen anniversary in 2024, IAAM reflected on a 15th years of significant achievements. Currently, the organization is placing a strong emphasis on sustainable and green materials and technology, aligning with its motto for the current decade: **'Advancement of Materials to a Sustainable and Green World'**.

VISION & MISSION

Become Part of a Leading Global Materials Community

The International Association of Advanced Materials has a vision and mission focused on scientific advancement, sustainability, and global excellence in the field of materials science, engineering and technology:

- **Promoting Scientific Advancement for Society:** IAAM is dedicated to fostering a highly interactive community of advanced materials researchers, aiming to stimulate partnerships and contribute to society's betterment through scientific research and innovation.
- **Utilizing Science & Technology for the Betterment of the World:** The organization emphasizes the use of science and technology to improve the world, aligning with its core values and objectives.
- **Advancement of Materials to a Sustainable and Green Future:** In line with the United Nations' agenda for sustainable development, IAAM commits to promoting the advancement of materials towards a sustainable and environmentally friendly future. This reflects their understanding of the importance of a sustainable future for humankind.

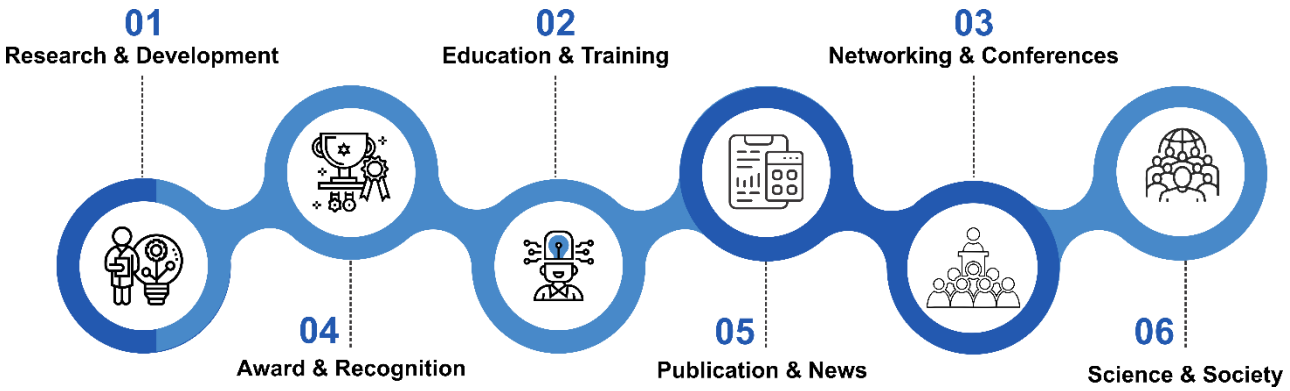
- **Global Excellence in Advanced Materials:** IAAM has established one of the largest international networks in the advanced materials community, highlighting its commitment to excellence on a global scale.

These elements collectively define IAAM's guiding principles and objectives, aiming to advance the field of materials for the betterment of society and the environment. IAAM invites you to join its mission as a key player in the global materials community. IAAM is dedicated to pioneering advancements in materials science and engineering, fostering innovation that contributes to a better future. By becoming a part of this vibrant and diverse network, you have the opportunity to collaborate with leading researchers, educators, and professionals from around the world. IAAM's vision is to drive progress in materials, directing for global excellence and sustainability. The association's mission revolves around the development of advanced materials that can address the challenges of the 21st century, from climate change to organic technological advancements. IAAM believes in the power of collaboration and knowledge sharing to accelerate scientific discovery and application.

Joining IAAM places you at the heart of innovative materials research and innovation. As a member, you gain access to global resources including conferences, symposiums, and pioneering publications. IAAM fosters a worldwide network of collaboration and creativity, driven by their commitment to open knowledge to all. Their mission is to elevate materials, enhancing life quality through high-caliber research. They build a global community focused on next-generation technology and a **"Climate Neutral Society"**, partnering with top research and educational institutions. IAAM's activities span coordinating research, education networks, and forums in materials science, engineering, and technology, uniting a diverse range of experts to advance the sector. They also offer memberships, scholarships, and awards, encouraging careers in these fields.

Organizational Structure

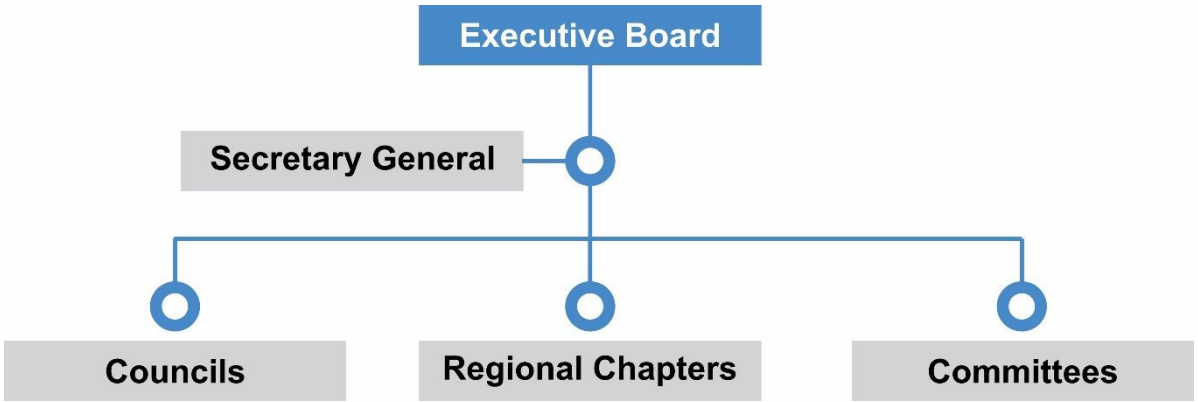
The International Association of Advanced Materials objectives to foster a dynamic network of researchers specializing in advanced materials. It's goal is to encourage cooperative efforts and partnerships that contribute to scientific progress. Operating under the slogan **'Advancement of Materials to Global Excellence'**, the IAAM is dedicated to leveraging the field of advanced materials to address critical universal challenges. The association has outlined six primary objectives to guide its mission.



Executive Board and Secretariat

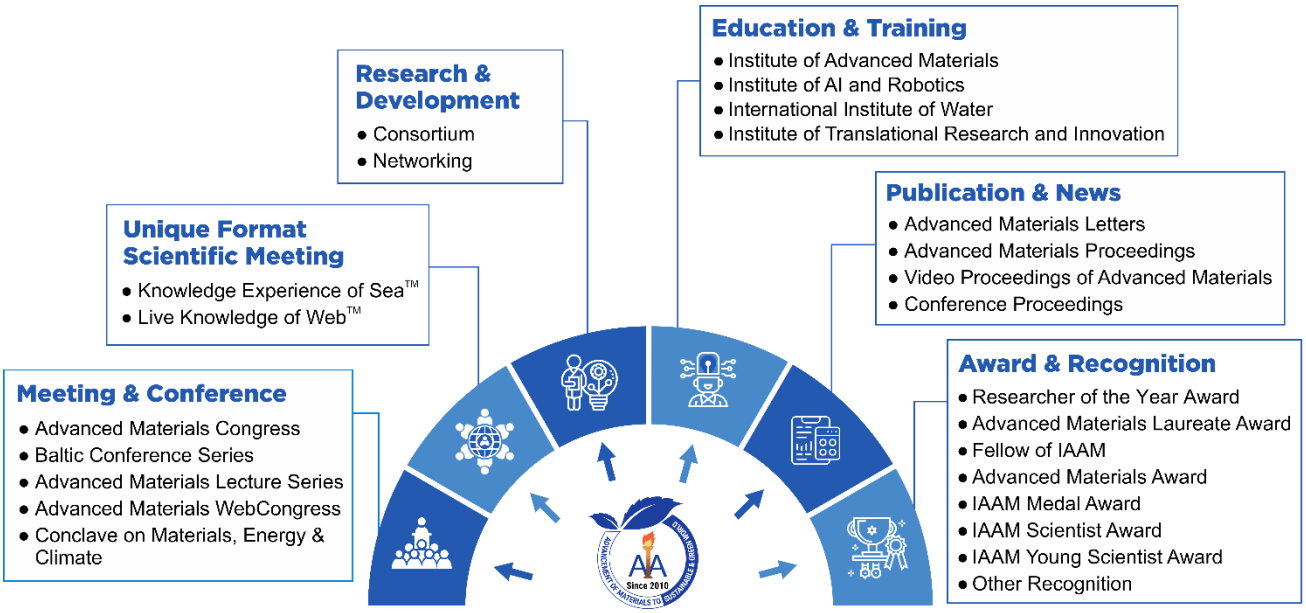
The Executive Board serves as the apex management entity of the International Association of Advanced Materials, overseeing the organization's global operations. Led by the Secretary General, the board is crucial in making significant decisions related to the association's endeavors. As the central leadership team, IAAM's Executive Board ensures the smooth operation of the association. The board consists of up to five members, all experts in materials science, engineering, and technology, serving two-year terms. Their vision is in harmony with IAAM's motto: 'Advancement of Materials to Global Excellence'. Key responsibilities of the Executive Board include:

- Strategizing activities that align with the goal of 'Advancement of Materials to Global Excellence'.
- Effective utilization of resources and overseeing related activities.
- Supporting the various committees within IAAM.
- Developing plans for the organization's growth.
- Evaluating and acting upon new proposals related to IAAM's activities.



Deliverable Activities

The International Association of Advanced Materials offers a variety of career services and resources for members.

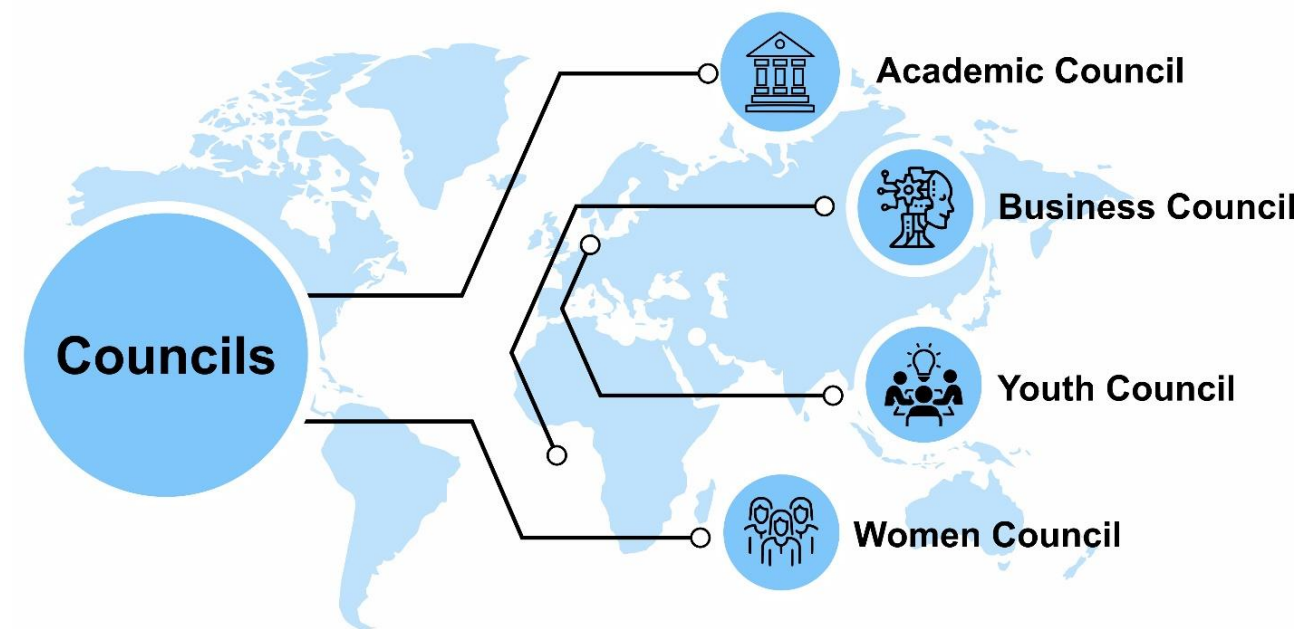


Community Engagement

The International Association of Advanced Materials emphasizes the establishment of specialized councils aimed at specific age groups and career stages within the scientific community. These expert groups and councils provide members with access to premier opportunities, aiding in their professional advancement. Additionally, these initiatives motivate women and young individuals globally to consider science as a viable and exciting career path.

For more details, please visit

www.iaamonline.org/communities-consortium



Sustainability Initiative

The International Association of Advanced Materials is dedicated to aligning its efforts with the United Nations' sustainability agenda. Guided by the principle of 'Advancement of Materials to a Sustainable and Green World', IAAM is committed to this direction for the upcoming decade.

Emphasis on Green Practices

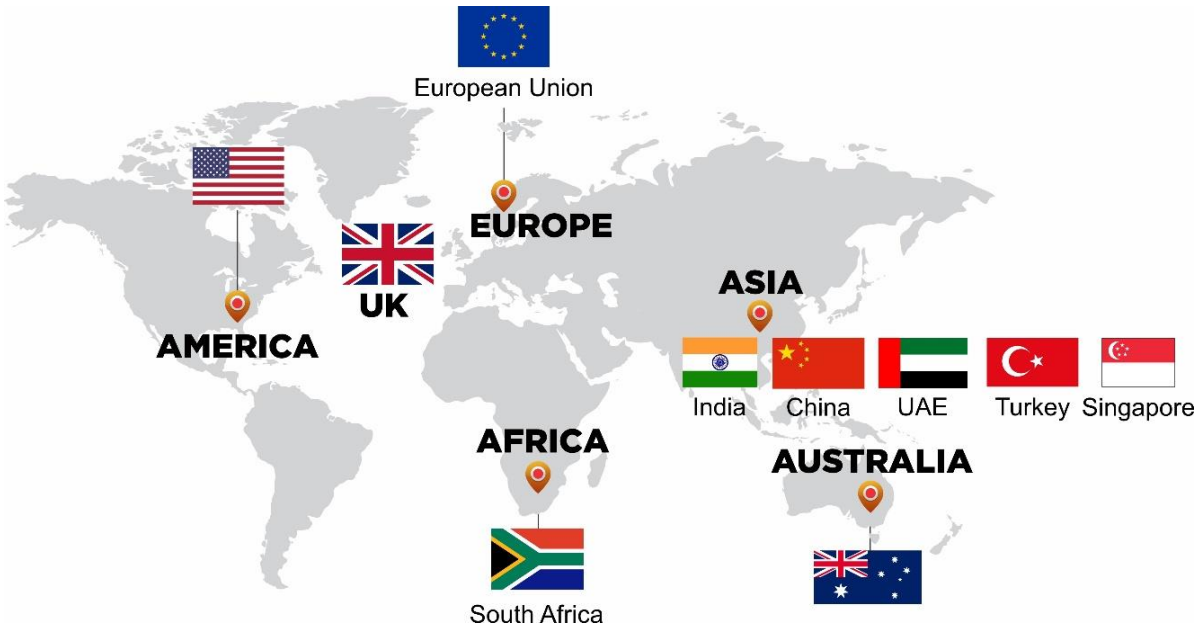
The International Association of Advanced Materials is a strong proponent of green practices, firmly believing they are essential for balancing innovation and environmental protection. As global adoption of technology increases, leading to rising carbon footprints worldwide, the need for sustainable practices becomes more critical. Throughout this decade, up to 2030, IAAM will utilize its international activities and conferences to heighten awareness and advocate for the urgent adoption of green practices.

Sustainability-Themed Decades Actions

Under the banner of 'Advancement of Materials to a Sustainable and Green World', the International Association of Advanced Materials is poised to achieve new milestones in promoting sustainability. Over the 15 years, IAAM has hosted numerous research and education initiatives and conferences, creating a large global network of technocrats, researchers, and scientists. IAAM plans to focus their activities on themes related to sustainability and climate change, aiming to draw the attention of the world's leading minds to these critical issues.

International Expansion

The International Association of Advanced Materials has founded five regional chapters across the major continents. This initiative intents to enhance connectivity and foster the development of materials science and technology. The key objective of these regional chapters is to encourage multi-inter-transdisciplinary activities, thereby fortifying the advanced materials community in the major continents.



Advancement of Materials to Global Excellence

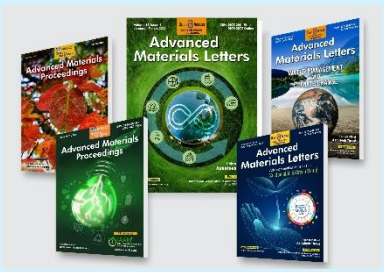
The International Association of Advanced Materials has established a vast global network and activities within the advanced materials community, enhancing its mission.

Opportunities for Worldwide Networking

100k+ members from over 150 countries. IAAM facilitates collaborations and partnerships between researchers and/or organizations intending translational benefits.

Meetings & Conferences

Hosted over 25000 delegates from around 125 countries in the 75+ IAAM conferences and 1500+ sessions & symposia. Started new format of conferences to ensure maximum opportunity of networking.



Journals and Books Publication

Three journals including One video Journal, supported 50+ books and 75+ proceedings IAAM advocates for open access publishing whereby association seeks to go above and beyond traditional practices.

Consortium & Forums

Engaging 3500+ cooperation opportunities for translational research on various important fields of advanced materials and technology for a sustainable and green future.

Advanced Materials Lectures

Secured 15000+ lectures from world leading speakers and association created a rich legacy of researchers who contributed advancing materials to global excellence over a decade and a half of its journey.

Awards & Recognitions

4200+ researchers are honored and recognized from over 75+ countries until December 2023 with an aim to praise the hard work and dedication of individual and organization for the advancing the materials.

IAAM offers dynamic international networks that act as collaborative forums for the advancement of materials science, engineering, and technology.

Steps to Join IAAM as a Member

Please complete and submit your application online at:

www.iaamonline.org/membership

Memberships of Association

The International Association of Advanced Materials is an important organization in the field of advanced materials, boasting members from around the world. IAAM offers excellent networking opportunities and initiatives, as well as a variety of career services and resources for its members.

Join the Global Materials Community Network

We offer our members endless opportunities for global networking. Become a part of IAAM's international R&D Network, www.iaamonline.org/r-d-networking

Benefits of IAAM Membership

From young professionals to established researchers and aspiring scientists to scientific elites, IAAM membership offers access to one of the largest networks of advanced materials researchers and provides opportunities for professional development.

- Become a part of one of the World's Largest Advanced Materials Communities
- Register for IAAM Events at discounted prices
- Apply for IAAM Grants and Nominations
- Early Bird access to various IAAM Resources
- Benefits of IAAM Councils
- Consortium Opportunities
- Join R&D World Link

Types of IAAM Membership

IAAM welcomes members from both academia and industry. The association categorizes its membership into the following groups for researchers and organizations:

Student Member | Regular Member | Advanced Materials Charter | Associate Member | Associate Fellow Member | Fellow Member

Apply for IAAM Membership online at:

www.iaamonline.org/membership

Directory of Fellows

A rich legacy comprising over 600 world-class researchers from 40 countries.

Name	Affiliation	Country
Abd El-Fatah Abomohra	Chengdu University	China
Abdelhalim Zekry	Ain Shams University	Egypt
Abdul Khalil H.P.S.	Universiti Sains Malaysia	Malaysia
Abhijit Mukherjee	Indian Institute of Technology, Kharagpur	India
Abu Sina	The University of Queensland	Australia
Abuzar Kabir	Florida International University	USA
Acelya Yilmazer	Ankara University	Turkey
Ai Du	Tongji University	China
Aihua Zhang	Heilongjiang University of Chinese Medicine	China
Ajay Dalai	University of Saskatchewan	Canada
Alain Walcarius	French National Centre for Scientific Research, CNRS	France
Albert Chin	National Chiao Tung University	Taiwan
Alexej Pogrebnyakov	The Pennsylvania State University	USA
Ali Khademhosseini	University of California, Los Angeles	USA
Anderson Shum	The University of Hong Kong	Hong Kong
Andrea Barbetta	University of Rome "La Sapienza"	Italy
Andrey Rogachev	Illinois Institute of Technology	USA
Aristides Zdetsis	University of Patras	Greece
Arkadii Arinstein	Israel Institute of Technology	Israel
Arturs Medvids	Riga Technical University	Latvia
Ataru Ichinose	Central Research Institute of Electric Power Industry	Japan
B. Venkata Manoj Kumar	Indian Institute of Technology, Roorkee	India
Baoguo Han	Dalian University of Technology	China
Baolong Shen	Southeast University	China
Baoping Zhang	Xiamen University	China
Baozhong Sun	Donghua University	China
Beng Kang Tay	Nanyang Technological University	Singapore
Benjamin Hsiao	Stony Brook University	USA
Bi Zhang	Southern University of Sience and Technology	China
Biao Hu	Shenzhen University	China
Biao Zuo	Zhejiang Sci-Tech University	China
Biaolin Peng	Xidian University	China
Bin Hu	Huazhong University of Science and Technology	China
Bing Li	Northwestern Polytechnical University	China
Bing-Huei Chen	Fu Jen Catholic University	Taiwan
Blanka Tomkova	Technical University Liberec	Czech Republic
Bo Song	Sandia National Laboratories	USA
Bo Wang	Harbin Institute of Technology	China
Bo Zhou	South China University of Technology	China

Bobby Sumpter	Oak Ridge National Lab	USA
Boniface Fokwa	University of California, Riverside	USA
Bo-xing Zhang	South China University of Technology	China
Bunshi Fugetsu	The University of Tokyo	Japan
Cajetan Akujuobi	Prairie View A&M University	USA
Carlos Nieto De Castro	University of Lisbon	Portugal
Carlos Romero-Nieto	University of Castilla-La Mancha	Spain
Carmen-Penelopi Papadatu	University of Galati	Romania
Cedric Pardanaud	Aix-Marseille University	France
Changgui Lin	Ningbo University	China
Changqing Jin	Institute of Physics Chinese Acdemy of Sciences	China
Chang-Seop Lee	Keimyung University	South Korea
Chao Deng	Soochow University	China
Chao Gao	Xi'an Modern Chemistry Research Institute	China
Chao Xu	Harbin Institute of Technology	China
Chao Zheng	North China University of Technology	China
Chaolin Tan	Singapore Institute of Manufacturing Technology	Singapore
Chao-Sung Lai	Chang Gung University	Taiwan
Charles Dunnill	Swansea University	UK
Chee Kong Yap	Universiti Putra Malaysia	Malaysia
Cheng Tang Pan	National Sun Yat-sen University	Taiwan
Cheng Yang	Shandong Normal University	China
Cheng-Hsin Chuang	National Sun Yat-sen University	Taiwan
Cheryl Xu	North Carolina State University	USA
Chia-Ching Chang	National Yang Ming Chiao Tung University	Taiwan
Chi-Chang Hu	National Tsing Hua University	Taiwan
Chih Chen	National Chiao Tung University	Taiwan
Chih-Chang Chu	Cornell University	USA
Chih-Ming Chen	National Chung Hsing University	Taiwan
Chi-Min Shu	National Yunlin University of Science & Technology	Taiwan
Chi-Ming Lai	National Cheng-Kung University	Taiwan
Chien-Lung Wang	National Yang Ming Chiao Tung University	Taiwan
Ching-Hwa Ho	National Taiwan University of Science and Technology	Taiwan
Ching-Ting Lee	National Cheng Kung University/ Yuan Ze University	Taiwan
Chol-Jun Yu	Kim Il Sung University	DPR Korea
Chong-Xin Shan	Zhengzhou University	China
Christina Graf	Darmstadt - University of Applied Sciences	Germany
Christophe Serra	University of Strasbourg - CNRS	France
Chuan-Jian Zhong	State University of New York at Binghamton	USA
Chuanliang Feng	Shanghai Jiaotong University	China
Chuanyi Wang	Shaanxi University of Science & Technology	China
Chun Yuan Liu	Jinan University	China
Chunzhong Li	East China University of Science and Technology	China
Claudia Riccardi	University of Milano-Bicocca	Italy

Claudio Pettinari	University of Camerino	Italy
Cun Zhang	China University of Mining and Technology	China
D.K. Aswal	National Physical Laborotory	India
Dalia Chavez Garcia	CETYS Universidad	Mexico
Debashis Chakraborty	Indian Institute of Technology, Madras	India
Debora Rodrigues	University of Houston	USA
De-Cheng Feng	Southeast University	China
Dinesh Amalnerkar	Savitribai Phule Pune University	India
Dipanjan Pan	University of Maryland	USA
Dong Meng	University of California	USA
Dong Xiang	Southwest Petroleum University	China
Dongfang Yang	National Research Council Canada	Canada
Dongfeng Xue	Shandong University	China
Dong-Sing Wuu	National Chung Hsing University	Taiwan
Duyang Zang	Northwestern Polytechnical University	China
Edward Remsen	Bradley University	USA
Emanuela Barzi	Fermi National Accelerator Lab	USA
Erik Kjeang	Simon Fraser University	Canada
Erwan Rauwel	Estonian University of Life Sciene	Estonia
Eva Unger	Helmholtz Zentrum Berlin	Germany
Faiz Shaikh	Curtin University	Australia
Fang-Chung Chen	National Yang Ming Chiao Tung University	Taiwan
Fei Song	Sichuan University	China
Fei Wang	Qingdao University of Science and Technology	China
Feifei Zhou	Harbin Institute of Technology	China
Felipe Oyarzun-Ampuero	University of Chile	Chile
Feng Chen	Tongji University	China
Feng Jiang	South China Normal University	China
Feng Liang	Kunming University of Science and Technology	China
Fenglian Fu	Guangdong University of Technology	China
Fidel Toldrá	Instituto de Agroquimica y Tecnologia de Alimentos	Spain
Francesco Tornabene	University of Salento	Italy
Francis D'Souza	University of North Texas	USA
Frank Cheng	University of Calgary	Canada
Frank Walther	TU Dortmund University	Germany
Fushan Li	Fuzhou University	China
Gang Zhang	Chang'an University	China
Gavrila Horia	University "Politehnica" of Bucharest	Romania
Genqiang Zhang	University of Science and Technology of China	China
Gervasi Herranz	Institute of Materials Science of Barcelona, ICMAB-CSIC	Spain
Ghazi Al-Khateeb	University of Sharjah	UAE
Gian-Marco Rignanese	Université Catholique de Louvain	Belgium
Giehyeon Lee	Yonsei University	South Korea
Gilberto Medeiros Ribeiro	Universidade Federal de Minas Gerais	Brazil

Goodarz Ahmadi	Clarkson University	USA
Gregory Light	Providence College	USA
Guan Yeoh	University of New South Wales	Australia
Guangming Chen	Shenzhen University	China
Guenter Schmid	Siemens Energy, Siemens Gas & Power GmbH & Co.KG	Germany
Guihua Yu	The University of Texas at Austin	USA
Guijie Li	Zhejiang University of Technology	China
Guoliang Huang	University of Missouri	USA
Guoqiang Xie	Shanghai Jiao Tong University	China
Hailong Hu	Fuzhou University	China
Haiping Zhu	Western Sydney University	Australia
Haisheng Qian	Anhui Medical University	China
Haixin Chang	Huazhong University of Science and Technology	China
Haiyan Wang	Central South University	China
Haiyang Niu	Northwestern Polytechnical University	China
Hanfeng Liang	Xiamen University	China
Hao Song	The University of Queensland	Australia
Hao Wang	Hubei University	China
Hao Wu	Songshan Lake Materials Laboratory	China
Harald Raupenstrauch	Montanuniversitaet Leoben	Austria
Haruo Sugiyama	Osaka University	Japan
Helene Lombois-Burger	HOLCIM Innovation Center	France
Helmi Attia	McGill University	Canada
Hendrik Heinz	University of Colorado Boulder	USA
Hermenegildo Garcia	Valencia Polytechnic University	Spain
Hezhu Shao	Wenzhou University	China
Hiroaki Tada	Kindai University	Japan
Hongbo Lan	Qingdao University of Technology	China
Honggang Dong	Dalian University of Technology	China
Honggang Gu	Huazhong University of Science and Technology	China
Hong-Gyu Park	Korea University	South Korea
Honghong Wu	Huazhong Agricultural University	China
Hongjing Wu	Northwestern Polytechnical University	China
Hongqiang Wang	Northwestern Polytechnical University	China
Hongyue Dang	Xiamen University	China
Hossein Kazemian	University Of Northern British Columbia	Canada
Houlong Zhuang	Arizona State University	USA
Hsien-Yeh Chen	National Taiwan University	Taiwan
Hsing-Yu Tuan	National Tsing Hua University	Taiwan
Hua Wei	University of South China	China
Huacheng Zhang	Xi'an Jiaotong University	China
Huaidong Jiang	ShanghaiTech University	China
Huchang Liao	Sichuan University	China
Hugo Lopez	University of Wisconsin-Milwaukee	USA

Hui Li	Shandong Jianzhu University	China
Hui Xia	Nanjing University of Science and Technology	China
Huihe Qiu	The Hong Kong University of Science & Technology	Hong Kong
Huiyang Gou	Center for High Pressure Science and Technology Advanced Research	China
Hwan Kyu Kim	Korea University	South Korea
Ingrid Paoletti	Politecnico Di Milano	Italy
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Itamar Willner	Hebrew University of Jerusalem	Israel
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Iwona Jasiuk	University of Illinois	USA
Jagadese Vittal	National University of Singapore	Singapore
James Stubbins	University of Illinois at Urbana-Champaign	USA
Jan Labuda	Slovak University of Technology in Bratislava	Slovakia
Jaroslav Jerz	Institute of Materials & Machine Mechanics	Slovakia
Jayanta Kumar Patra	Dongguk University	South Korea
Jeannie Tan	Heriot-Watt University	UK
Jeffrey Zheng	Yunnan University	China
Jenn-Ming Yang	University of California, Los Angeles	USA
Jialei Liu	Institute of Environment and Sustainable Development in Agriculture	China
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Jianbo Yin	Northwestern Polytechnical University	China
Jian-Dong Huang	Fuzhou University	China
Jianfeng Wang	City University of Hong Kong	Hong Kong
Jianfu Zhang	Tsinghua University	China
Jiangjiexing Wu	Tianjin University	China
Jianhan Lin	China Agricultural University	China
Jianlei Cui	Xi'an Jiaotong University	China
Jianlin Li	Nanjing Normal University	China
Jian-Ping Lang	Soochow University	China
Jianshi Tang	Tsinghua University	China
Jianshi Tang	Tsinghua University	China
Jiashing Yu	National Taiwan University	Taiwan
Jianxin Zou	Shanghai Jiao Tong University	China
Jiegang Peng	University of Electronic Science and Technology of China	China
Jihua Gou	University of Central Florida	USA
Jin Anjun	Ningbo University	China
Jinfeng Zhu	Xiamen University	China
Jingan Li	Zhengzhou University	China
Jinglin Fu	Rutgers University-Camden	USA
Jingwei Zhang	The University of Tokyo	China
Jinlian Hu	City University of Hong Kong	Hong Kong
Jintao Zhang	Shandong University	China
Jinyang Xu	Shanghai Jiao Tong University	China
Jinzhong Zhao	Shanghai Sixth People's Hospital	China

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Jiong Zhou	Northeastern University	China
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Jixin Chen	Institute of Metal Research, Chinese Academy of Sciences	China
Jiyang Fan	Southeast University	China
Jiyu Fang	University of Central Florida	USA
Jochen Salber	Ruhr-University Bochum	Germany
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Jui-Yang Lai	Chang Gung University	Taiwan
Jumril Yunas	Universiti Kebangsaan Malaysia	Malaysia
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Jun Huang	Pritzker School of Molecular Engineering	USA
Jun Kameoka	Texas A&M University	USA
Jun Li	Kansas State University	USA
Jun Liu	South China University of Technology	China
Jun Xu	Xi'an Jiaotong University	China
Jun Zou	Changjiang Institute of Survey, Planning, Design and Research	China
Junfeng Su	Xi'an University of Architecture and Technology	China
Jung-Chun Huang	National Cheng Kung University	Taiwan
Junhui Hu	Nanjing University of Aeronautics & Astronautics	China
Junkuo Gao	Zhejiang Sci-Tech University	China
Juntao Fei	Hohai University	China
Junwen Zhong	University of Macau	Macao
Junying Zhang	Beihang University	China
Junzhong Wang	Anhui University	China
Junzhong Wang	Institute of Coal Chemistry, Chinese Academy of Sciences	China
Jürgen Eckert	Erich Schmid Institute of Materials Science, Austrian Academy of Sciences	Austria
Jurij Sidor	Eotvos Lorand University	Hungary
Jurij Tasic	University of Ljubljana	Slovenia
Jyotsna Dutta Majumdar	Indian Institute of Technology, Kharagpur	India
Ka Hing Wong	The Hong Kong Polytechnic University	Hong Kong
Kah-Yoong Chan	Multimedia University	Malaysia
Kai Dong	Beijing Institute of Nanoenergy and Nanosystems, Chinese Academy of Sciences	China
Kai Yin	Central South University	China
Kai Yu	University of Colorado Denver	USA
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Kesong Tian	Yanshan University	China
Kewei Zhang	Qingdao University	China
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Laichang Zhang	Edith Cowan University	Australia
Laima Cesoniene	Vytautas Magnus university	Lithuania
Laura Anfossi	University of Torino	Italy
Laurent Sagalowicz	Nestle Research	Switzerland
Lei Chen	Hefei University of Technology	China
Lei Zhai	University of Central Florida	USA
Leonard Francis	International Iberian Nanotechnology Laboratory	Portugal
Leu-Wei Lo	National Health Research Institutes	Taiwan
Leyun Wang	Shanghai Jiao Tong University	China
Li Fu	Hangzhou Dianzi University	China
Li Liang	Jiangnan University	China
Li Niu	Guangzhou University	China
Li Peng	Dalian University of Technology	China
Liang Dong	Iowa State University	USA
Lida Shen	Nanjing University of Aeronautics and Astronautics	China
Liling Sun	Institute of Physics, Chinese Academy of Sciences	China
Lilong Pang	Institute of Modern Physics, Chinese Academy of Sciences	China
Liming Dai	Case Western Reserve University	USA
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Lingling Hu	Sun Yat-sen University	China
Lintao Cai	Shenzhen Institutes of Advanced Technology	China
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Lixia Ren	Tianjin University	China

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Maxim Lebedev	Curtin University	Australia
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Mohamed Ghanem	King Saud University	Saudi Arabia
Mohammad Arjmand	University of British Columbia	Canada
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Mohd Basyaruddin Abdul Rahman	Universiti Putra Malaysia	Malaysia
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Mohsen Shahinpoor	University of Maine	USA
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Motilal Mathesh	Deakin University	Australia
Muhammed Basheer	University of Leeds	UK
Muralidhar Miryala	Shibaura Institute of Technology	Japan
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Nan Jiang	Sichuan University	China
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Nasim Annabi	University of California, Los Angeles	USA
Natarajan Srinivasan	Indian Institute of Technology, Tirupati	India
Nazmul Ahsan	The University of Tokyo	Japan
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Qianqian Su	Shanghai University	China
Qibo Deng	Tianjin University of Technology	China
Qingbin Zheng	The Chinese University of Hong Kong, Shenzhen	China
Qingfeng Zhang	Southern University of Science and Technology	China
Qingli Dai	Michigan Technological University	USA
Qingyan Chen	Purdue University	USA
Qingyuan Wang	Chengdu University	China
Qinhong Hu	University of Texas at Arlington	USA
Qinxiang Xia	South China University of Technology	China
Quinn Qiao	Syracuse University	USA
Qun Zhang	University of Science and Technology of China	China
R.A. Ilyas	University of Technology	Malaysia
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Rajiv Gupta	Birla Institute of Technology & Science	India
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Ramana Pidaparti	University of Georgia	USA
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Roger Narayan	NC State University	USA
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Ruey-An Doong	National Tsing Hua University	Taiwan
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Sangwook Kim	Hiroshima University	Japan
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Shancheng Yan	Nanjing University of Posts and Telecommunications	China
Shanglei Feng	Shanghai Institute of Applied Physics, CAS	China
Shanglin Gao	Fengye Holding Group	China
Shaohua Shen	Xi'an Jiaotong University	China
Sheng Chen	Nanjing University of Science and Technology	China
Sheng Zhang	U.S. Army Research Laboratory	USA
Shengjie Peng	Nanjing University of Aeronautics and Astronautics	China
Shengjun Zhou	Wuhan University	China
Shengyu Dai	Anhui University	China
Sheng-Yuan Chu	National Cheng Kung University	Taiwan
Shen-Ming Chen	National Taipei University of Technology	Taiwan
Shien Ping Feng	The City University of Hong Kong	Hong Kong
Shigehiro Hashimoto	Kogakuin University	Japan
Shihe Yang	Peking University	China
Shih-Yuan Lu	National Tsing Hua University	Taiwan
Shi-Jun Liang	Nanjing University	China
Shin Aoki	Tokyo University of Science	Japan
Shi-Peng Sun	Nanjing Tech University	China
Shisheng Lin	Zhejiang University	China
Shlomo Nir	Hebrew University of Jerusalem	Israel
Shu Hu	Yale University	USA
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Shunsuke Kobayashi	Sanyo-Onoda City University	Japan
Shyam Pandey	Kyushu Institute of Technology	Japan
Shyan-Lung Chung	National Cheng Kung University Tainan	Taiwan
Siu Hong Dexter Wong	The Hong Kong Polytechnic University	Hong Kong
Suddhasatwa Basu	CSIR-IMMT	India
Suguna Lonchin	CSIR-Central Leather Research Institute	India
Sylvain Martel	Polytechnique Montreal	Canada
T. A. Venkatesh	Stony Brook University	USA
Tae Geun Kim	Korea University	South Korea
Takao Hanawa	Tokyo Medical and Dental University	Japan
Takayuki Ichikawa	Hiroshima University	Japan
Takeshi Katayama	Kagawa University	Japan
Tao Feng	Nanjing University of Science and Technology	China
Tao Gao	Nanjing Normal University	China
Tao Ji	Fuzhou University	China
Tao Li	Northern Illinois University	USA
Tao Ma	China Agricultural University	China
Tao Zhang	China Agricultural University	China

Tao Zhang	Ningbo Institute of Materials Technology and Engineering, CAS	China
Tatiana Martins	Federal University of Goia	Brazil
Tatsuya Koumoto	Saga University	Japan
Tetsuo Umegaki	Nihon University	Japan
Thomas Krause	Royal Military College of Canada	Canada
Thomas Muller	Ruhr-Universitat Bochum	Germany
Thomas Wong	Illinois Institute of Technology	USA
Thuc Hue Ly	City University of Hong Kong	Hong Kong
Tianliang Li	Wuhan University of Technology	China
Tianzhu Zhang	Southeast University	China
Tien Quach	University of Nottingham	UK
Tiju Thomas	Indian Institute of Technology Madras	India
Tingdong Xu	Central Iron and Steel Research Institute	China
Ting-Yu Liu	Ming Chi University of Technology	Taiwan
Ting-Yu Liu	Ming Chi University of Technology	Taiwan
Tirumalai S Srivatsan	University of Akron	USA
Tomasz Krystofiak	Poznan University of Life Sciences	Poland
Tomohito Kameda	Tohoku University	Japan
Tun Cao	Dalian University of Technology	China
Umberto Berardi	Ryerson University	Canada
Vaidhyanathan Ramanathan	Indian Institute of Science Edcuation and Reserach	India
Valeriy Buryachenko	Micromechanics and Composites LLC	USA
Van Tuan Dinh	University of Rochester	USA
Varsha Srivastava	University of Oulu	Finland
Venkataraman Thangadurai	University of Calgary	Canada
Venkatchalam Rajendran	Dr. N.G.P. Arts and Science College	India
Vincent Hsiao	National Chi Nan University	Taiwan
Virender Sharma	Texas A&M University	USA
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Wail Al-Rifaie	University of Philadelphia	Jordan
Wan Basirun	University Malaya	Malaysia
Wanchun Guo	Yanshan University	China
Wei Chen	The University of Texas at Arlington	USA
Wei Ma	Xi'an Jiaotong University	China
Wei Zhang	Sichuan University	China
Wei-Hsin Chen	National Cheng Kung University	Taiwan
Weijun Luo	Institute of Microelectronics, Chinese Academy of Sciences	China
Weiqiang Han	Zhejiang University	China
Weiqiao Deng	Shandong University	China
Weiquan Cai	Guangzhou University	China
Weiyong Wang	Chongqing University	China
Wen Meng	Louisiana State University	USA
Wenbo Peng	Xi'an Jiaotong University	China

Wen-Chang Chen	National Taiwan University	Taiwan
Wenjian Liu	Shandong University	China
Wen-Jun Wang	Zhejiang University	China
Wensong Li	Xiangtan University	China
Wenwu Li	East China Normal University	China
Wen Wang	Institute of Acoustics, Chinese Academy of Sciences	China
William Brantley	Ohio State University	USA
William Yu	Shandong University	China
Wing Kei Ho	The Education University of Hong Kong	Hong Kong
Won-Sub Yoon	Sungkyunkwan University	South Korea
Xiangling Gu	Dezhou University	China
Xiao Lin	Zhejiang University	China
Xiaodong Huang	Swinburne University of Technology	Australia
Xiaoguang Li	Northwestern Polytechnical University	China
Xiaohui Wang	Nanjing Tech University	China
Xiaojing Hao	University of New South Wales	Australia
Xiaolong Wang	Lanzhou Institute of Chemical Physics, Chinese Academy of Sciences	China
Xiaomeng Zhang	Institute of Process Engineering, Chinese Academy of Sciences	China
Xiaoming Tao	Hong Kong Polytechnic University	Hong Kong
Xiaoshan Lin	RMIT University	Australia
Xiaoxuan Liu	Guangdong University of Technology	China
Xiaoyan Zhang	Capital Medical University	China
Xiao-Yong Wang	Kangwon National University	South Korea
Xiayin Yao	Ningbo Institute of Materials Technology and Engineering	China
Xichun Luo	University of Strathclyde	UK
Xin Han	East China University of Science and Technology	China
Xin Wang	University of Science and Technology of China	China
Xin Zhang	Beijing University of Technology	China
Xingsen Gao	South China Normal University	China
Xingzhi Xu	Shenzhen University School of Medicine	China
Xinping Zhang	Beijing University of Technology	China
Xinrong Lin	Yunnan University	China
Xinxing Zhang	Sichuan University	China
Xinyi Jiang	Shandong University	China
Xiongwu Kang	South China University of Technology	China
Xu Long	Northwestern Polytechnical University	China
Xu Mingsheng	Zhejiang University	China
Xuelin Yang	Peking University	China
Xuewen Wang	Northwestern Polytechnical University	China
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Yang Xu	Zhejiang University	China
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Yanjun Liu	Southern University of Science and Technology	China
Yanli Song	Wuhan University of Technology	China
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Yining Ding	Dalian University of Technology	China
Yiping Zhao	University of Georgia	USA
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Yixin Zhao	China University of Mining and Technology	China
Yogesh Vohra	University of Alabama at Birmingham	USA
Yong Teng	Augusta University	USA
Yong Yang	City University of Hong Kong	Hong Kong
Yongchao Liang	Zhejiang University	China
Yongdong Jin	Changchun Institute of Applied Chemistry, Chinese Academy of Sciences	China
Yonggang Zhen	Institute of Chemistry, Chinese Academy of Sciences	China
Yongzhu Fu	Zhengzhou University	China
Yoon-Bong Hahn	Jeonbuk National University	South Korea
Yoshino Bandô	National Institute for Materials Science Tsukuba	Japan
Yoshitaka Adachi	Nagoya University	Japan
You Wang	Harbin Institute of Technology	China
You-Shao Wang	South China Sea Institute of Oceanology, Chinese Academy of Sciences	China
Youfan Hu	Peking University	China

Young-Jin Cha	University of Manitoba	Canada
Yuan Chen	Southern University of Science and Technology	China
Yu Lei	Tsinghua University Shenzhen International Graduate School	China
Yuan Wang	Peking University	China
Yuanbin Zhang	Zhejiang Normal University	China
Yuangang Liu	Huaqiao University	China
Yue Zhao	Shanghai Jiao Tong University	China
Yueming Jiang	South China Botanical Garden, Chinese Academy of Sciences	China
Yuexiang Li	Department of Chemistry, Nanchang University	China
Yuichi Negishi	Tokyo University of Science	Japan
Yumin Cheng	Shanghai University	China
Yun Mook Lim	Yonsei University	South Korea
Yun Qian	Shanghai Jiao Tong University	China
Yunjun Yan	Huazhong University of Science and Technology	China
Yunlong Zi	The Chinese University of Hong Kong	Hong Kong
Yun-Ze Long	Qingdao University	China
Yu-Sheng Lin	Sun Yat-Sen University	China
Zaicheng Sun	Beijing Institute of Technology	China
Zeid ALOthman	King Saud University	Saudi Arabia
Zemin Wang	Huazhong University of Science and Technology	China
Zengbao Jiao	The Hong Kong Polytechnic University	Hong Kong
Zeshui Xu	Sichuan University	China
Zhang Youming	Shandong University Qingdao Campus	China
Zhangwei Chen	Shenzhen University	China
Zhanping You	Michigan Technological University	USA
Zhaopeng Hao	Changchun University of Technolgoy	China
Zhen Yuan	University of Electronic Science and Technology of China	China
Zhengchun Liu	Central South University	China
Zhengdong Cheng	Zhejiang University	China
Zhenghua Zhang	Tsinghua University	China
Zhenhui Kang	Soochow University	China
Zhenyu Chu	Nanjing Tech University	China
Zhidan Liu	China Agricultural University	China
Zhigang Zhu	University of Shanghai for Science and Technology	China
Zhi-Mei Qi	Aerospace Information Research Institute, Chinese Academy of Sciences	China
Zhimin Ao	Guangdong University of Technology	China
Zhiyu Hu	Shanghai Jiao Tong University	China
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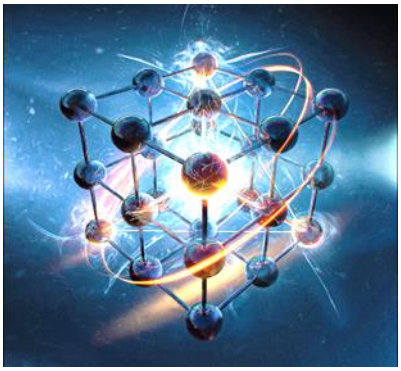
Zijian Zheng	The Hong Kong Polytechnic University	Hong Kong
Zisheng Xu	Zhejiang Normal University	China
Zishun Liu	Xi'an Jiaotong University	China
Zhongwei Guan	Technology Innovation Institute	UAE
Zongqiang Cui	Chinese Academy of Sciences	China

Research & Education

IAAM conducts research, innovation, and educational programs through its R&D World Links and four institutions: The Institute of Advanced Materials, Institute of AI and Robotics, International Institute of Water and Institute of Translational Research and Innovation.



R&D World Links

The IAAM has created a network of R&D labs and decentralized facilities to bolster and enable interdisciplinary engagement among worldwide researchers and scientists in Translational Research & Innovation. IAAM's global R&D decentralized initiatives operate on the principle that collaborations foster translational research and green innovation, particularly in advancing new methods and technologies for materials sustainability, health, energy, and the climate. The IAAM orchestrates projects and unites experts across various disciplines: **www.iaam.se/R&D-world**

Aims and Objectives

The decentralized network of facilities and R&D World Links focuses on facilitating innovative research projects and partnerships. The IAAM serves as the primary coordinator, organizing various consortia, expert groups, and translational research programs dedicated to a sustainable and climate-neutral future.

- Networking
- Finding Solutions
- Creating Collaborations
- Intensive Discussions
- Mapping Out Future
- Generating Results

Action Plans

The decentralized facilities are part of a comprehensive agenda with multiple action plans (AP):

AP1. Facilitating partnerships and collaborations for active engagement in Translational Research Initiatives, Joint Research Programs, Educational Activities, and Joint Student Supervision.

AP2. Establishing decentralized worldwide joint/ network laboratories and collaborating with experts globally.

AP3. Addressing problems by offering the right network and strategies, while ensuring optimal financial value from your technology and research.

AP4. Forming consortia and projects aimed at revolutionizing research and innovation.

AP5. Coordinating the transition of projects and prototype products from the research stage to TRL 4 or higher in sectors such as Materials, Energy, Environment, Health, Water, and more.

AP6. Providing innovative solutions and analytical strategies to ensure compliance with the internationally recognized United Nations Agenda for green practices through sustainable innovation.

Interdisciplinary Research Programs

The decentralized labs empower expert scientists from across the globe, equipped with resources and data, to efficiently collaborate on extensive R&D initiatives. They provide a simulated environment for Translational Research & Innovation endeavors, with a strong focus on digitalization and sustainability. This decentralized infrastructure successfully forges a global interconnection between laboratories and experts, streamlining the execution of experiments in the realms of Materials, Health, Energy, and Climate.

Multi-Lateral Collaborations & Partnerships

The IAAM leverages its decentralized facilities to foster international multi-lateral collaborations and partnerships among researchers and scientists from diverse fields.

The decentralized facilities serve as global interface centers and incubators for ideas to evolve into tangible products. By converging a wide range of expertise onto a single platform, the IAAM's R&D World Links plays a pivotal role in driving significant advancements in Translational Research and Innovation.

Projects and Consortiums

The IAAM forms consortia and projects with the capacity to shape the future in various domains:

- Flexible and Wearable Electronics
- Advanced Materials for Sustainable Energy
- Nanomaterials and Nanotechnology Applications
- Materials for Electronics and Photonics
- Biomaterials and Biomedical Engineering
- Smart Materials and Structures
- Materials for Aerospace and Automotive Industries
- Computational Materials, AI and Modeling
- Materials Characterization and Testing
- Environmental and Green Materials
- Materials for Additive Manufacturing and 3D Printing
- Materials for Sustainable Infrastructure
- Materials for Advanced Manufacturing Processes
- Materials for Defense and Security Applications
- Materials for Sustainable Packaging
- Materials for Renewable Energy Technologies
- AI-enabled Smart Healthcare
- Sustainable Battery Systems
- Energy Innovation and Technology
- Circular Materials Engineering and Technology
- Renewable Energy
- Portable Diagnostics & mHealth
- Nano Energy Systems

Many more…….

Please contact us for enquiry & collaboration
E-mail: contact@iaamonline.org

Institute of Advanced Materials

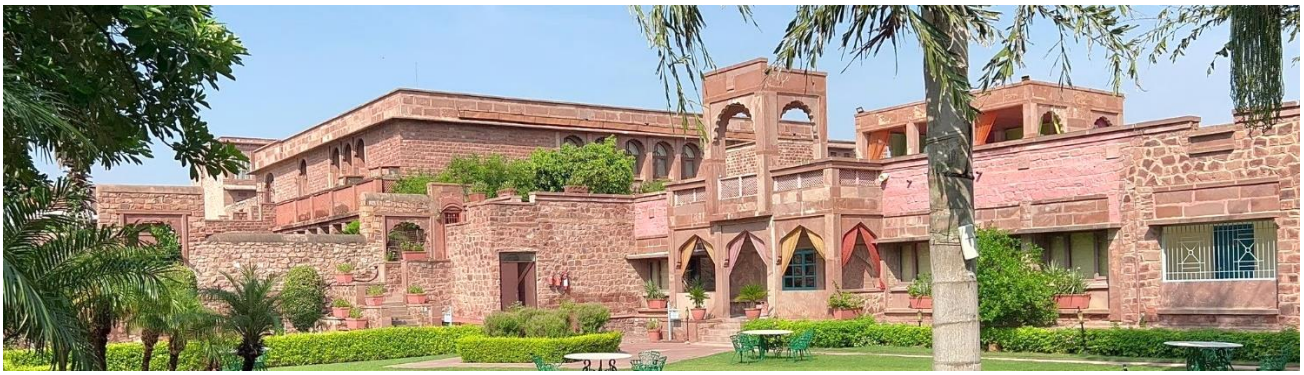
Founded in 2015, the Institute of Advanced Materials (PIC: 891021534, www.iaam.se) specializes in bridging the gap between research and industry, particularly for startups, by offering advanced R&D, innovation services, and cutting-edge technology solutions. With a strong commitment to net-zero emissions, it focuses on translational research in critical areas like climate efficient materials, health, energy, and the environment. The institute's core activities include top-tier R&D, technology transfer, and infrastructure development, aimed at converting high-quality research into impactful end-user products. It operates globally in materials science, engineering, and technology, establishing strong partnerships with leading researchers and institutions. The institute's primary mission is to drive forward translational research and innovation, contributing significantly to industry and the well-being of communities worldwide.

Institute of AI and Robotics

The Institute (www.iaamonline.org/iair) specializes in AI-driven smart technologies, focusing on the burgeoning field of automation. This organization leads a consortium tackling present challenges in AI technology, particularly within healthcare. By pooling expertise and extensive industry knowledge, the Institute significantly contributes to robotics advancements. The rise of wearable and virtual technology has marked significant growth in this sector. Artificial Intelligence has revolutionized digital innovations, merging with other intelligent technologies to improve facility and process efficiency. This synergy has spawned various applications offering effective solutions and insightful in our daily life, for example, greatly reducing healthcare service delivery time and boosting overall competence.

International Institute of Water

The IIW leads the way in advancing global water expertise in accordance with the United Nations' initiatives. The International Institute of Water (IIW, www.iiwater.org), Jodhpur, India, is dedicated to providing exclusive research, education, and innovation on water. The institute concentrates on the pilot study of water, its science and technology, and sustainable management practices. It advocates for efficient water policies globally and works in collaboration with worldwide experts to tackle issues related to water mitigation, rejuvenation, and innovation. The institution provides a thorough educational and research setting, encompassing topics such as climate change, rainwater collection, and enhancement of water quality. This makes it an ideal place for scholars and researchers focused on river restoration, aquifer engineering, water resources, repurposing used mining areas, rural development, and related fields.



The institute offers an extensive educational and research environment, covering key areas such as climate change, rainwater harvesting, and improving water quality, making it a prime destination for experts in river restoration, aquifer engineering, and water resource management. Central to its mission, the institute emphasizes sustainable management of water resources, fostering knowledge and advocating for effective practices. It stands as a beacon of innovation in water science and technology. Comprising leading researchers and scientists, the institute leads the way in groundbreaking developments in the field. It champions collaboration, establishing strong global connections to address water-related challenges. Additionally, it undertakes pilot studies to evaluate new technologies and strategies like water purification and rainwater harvesting, assessing their feasibility and impact. These studies play a critical role in enhancing efficiency and informing decision-making in larger-scale water management projects.

Institute of Translational Research & Innovation

The Institute of Translational Research & Innovation is a cutting-edge institution dedicated to bridging the gap between scientific research and real-world applications. It focuses on translating scientific discoveries into innovative solutions that can be implemented in various fields such as energy, materials, health, green technology, and climate neural solutions. The Institute emphasizes collaboration among scientists, engineers, and industry professionals to foster an environment of interdisciplinary research and development. Its mission is to accelerate the journey from laboratory research to market-ready products, services, and technologies, thereby contributing to societal progress and global innovation. The Institute also prioritizes education and training for the next generation of researchers and innovators.

For inquiries about participating in our Internships, Training, and Education Programs, please get in touch with us at:
E-mail: contact@iaamonline.org

Awards & Recognition

Introduction

The IAAM Awards and Recognitions Program aims to acknowledge the significant scientific contributions to the advancement of Materials Research and Innovation. The association routinely bestows honors and awards on individuals who have significantly advanced the field of materials. To maintain and enhance the quality of work in various contemporary research fields, IAAM recognizes researchers with the following awards and accolades:

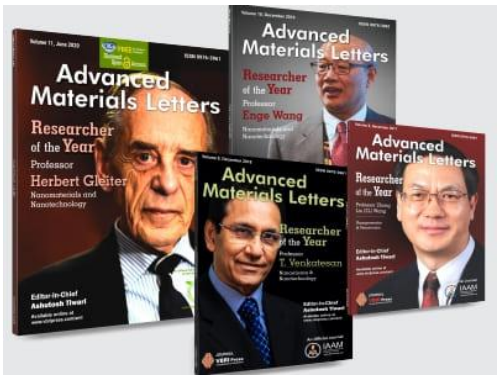
- Advanced Materials Laureate
- Researcher of the Year
- Advanced Materials Award
- IAAM Fellow
- IAAM Medal
- Scientist Award and Medal
- Young Scientist Award and Medal

Nomination of Awards and Recognition

IAAM welcomes nominations for all its awards and honors, which are given to worthy individuals and organizations. Parties interested in nominating can submit entries for themselves, their institutions, or their colleagues. To understand the eligibility criteria and selection process, please visit the specific award pages at **www.iaamonline.org/awards-recognitions.**

Researcher of the Year

The 'Researcher of the Year' award, one of IAAM's most prestigious accolades, celebrates scientists and researchers who have dedicated over 25 years to advanced research and made significant contributions to Materials Science, Engineering, and Technology. Each year, the association proudly announces the 'Researcher of the Year' to acknowledge the dedication and groundbreaking achievements of a scientist in achieving global excellence. Since 2013, IAAM has bestowed this title upon highly talented and distinguished scientific researchers, marking it as a testament to true excellence and highly valuable discoveries.



Advanced Materials Laureate

The Advanced Materials Laureate is among the most prestigious awards bestowed by the International Association of Advanced Materials on distinguished researchers and scientists. This esteemed accolade is granted to pioneering individuals who have significantly impacted a specific field, advancing the realms of Materials Science, Engineering, and Technology. Since 2013, IAAM has recognized eight renowned and highly accomplished scientific researchers with this title. The Advanced Materials Laureate, known as one of the highest honors in the field, is awarded to a researcher who has ventured into new areas and made substantial contributions.

Advanced Materials Award

The Advanced Materials Award, a prestigious accolade bestowed by IAAM, recognizes distinguished scientists and researchers with a longstanding commitment to quality research in Materials Science, Engineering, and Technology. This award spans various categories, encompassing not only regional honors like the European, American, Asian, and Australian Advanced Materials Awards but also specialized recognitions such as the Graphene Award, Innovation Award, Sustainability Award, Polymer Award, Nano Award, 2D Materials Award, Energy Award, Investigator Award, among others.

Fellow of IAAM

The title of Fellow of IAAM, bestowed by the International Association of Advanced Materials, is a prestigious honor recognizing researchers and scientists for their significant contributions and efforts towards advancing materials. This distinction is now acknowledged as a highly esteemed accolade in the materials science community.

IAAM Medal

The IAAM Medal, a distinguished international recognition bestowed by the International Association of Advanced Materials, honors prominent researchers from the advanced materials community for their remarkable professional accomplishments. This medal is awarded to community members who have dedicated at least 10 years to research and have significantly contributed to the field by inspiring and achieving scientific excellence.

IAAM Scientist Award & Medal

The IAAM Scientist Award and Medal are prestigious honors bestowed upon eminent researchers and scientists for their significant contributions to Materials Science, Engineering, and Technology. IAAM celebrates the exceptional achievements of scientists at every stage of their careers. These awards are designed for senior, mid-career, and early-career researchers who have made notable contributions by integrating materials across multi-, inter-, and transdisciplinary fields.

Young Scientist Award & Medal

The Young Scientist Award and Medal is a prestigious accolade awarded to promising young researchers. This esteemed recognition celebrates the talent and potential of these individuals and acknowledges their professional accomplishments. IAAM awards this honor to researchers who have demonstrated excellence in research within the realms of Materials Science, Engineering, and Technology.

Nomination for IAAM Awards & Recognition

The scientific committee, considering the scientific ranking in experimental and theoretical work in fundamental and applied interdisciplinary research, invites researchers to submit their nominations along with their CVs. **Nominations can be submitted through Online Portal** www.iaamonline.org/candidate-nomination

Nomination Form

www.iaamonline.org/candidate-nomination

Directory of Laureate, Awardee and Medalists

IAAM has honored over 1500 outstanding researchers from about 75 countries for their excellent scientific contributions.

Full Name	Affiliation	Country
Researcher of the Year		
Zhong Lin Wang	Georgia Institute of Technology	USA
Herbert Gleiter	Karlsruhe Institute of Technology	Germany
T. Venkatesan	National University of Singapore	Singapore
Enge Wang	Chinese Academy of Sciences	China
Advanced Materials Laureate		
Zhong Lin Wang	Georgia Institute of Technology	USA
Anthony P.F. Turner	Cranfield University	UK
Enge Wang	Chinese Academy of Science	China
Frank Engelke	Bruker Biospin GmbH	Germany
Herbert Gleiter	Karlsruhe Institute of Technology	Germany
Kazunori Kataoka	University of Tokyo	Japan
Luis M. Liz-Marzan	Basque Research and Technology Alliance	Spain
Cengiz S. Ozkan	University of California, Riverside	USA
Gopal C. Kundu	Kalinga Institute of Industrial Technology	India
Advanced Materials Award		
Abdul Shakoor	Qatar University	Qatar
Adele Moatti	North Carolina State University	USA
Armin Rajabi	Universiti Kebangsaan Malaysia	Malaysia
Arnold Burger	Fisk University	USA
Arturs Medvids	Riga Technical University	Latvia
Bi Zhang	Southern University of Science and Technology	China
Bianca Pistillo	Luxembourg Institute of Science and Technology	Luxembourg
Blanka Tomkova	Technical University Liberec	Czech Republic
Carlos Henrique Barbosa	Federal University of Rio de Janeiro	Brazil
Cengiz Ozkan	University of California, Riverside	USA
Cesare Oliviero Rossi	University of Calabria	Italy
Changqing Sun	Nanyang Technological University	Singapore
Christoph Lohmann	Otto-von-Guericke-University Magdeburg	Germany
Chunxiang Cui	Hebei University of Technology	China
Cristiana Di Valentin	University of Milano Bicocca	Italy
Cristina Ciomaga	Alexandru Ioan Cuza University of Iași	Romania
Daren Liu	Zhejiang University	China
Dennis Bakir	Innovator Institut GmbH	Germany
Dmitriy Titov	Russian Academy of Sciences	Russian Federation
Erol Sancaktar	University of Akron	USA
Felipe Oyarzun-Ampuero	University of Chile	Chile

Gerard Berginc	THALES	France
Guangming Chen	Shenzhen University	China
Haruhisa Kato	National Institute of Advanced Industrial Science and Technology	Japan
Herbert Pfnür	Leibniz University of Hannover	Germany
Hiroshi Noguchi	Kyushu University	Japan
Hong Ding	Chinese Academy of Sciences	China
Hongwei Zhu	Tsinghua University	China
Isabella Nova	Politecnico di Milano	Italy
Ivan Janotka	Building Testing and Research Institute	Slovakia
Jaroslav Jerz	Slovak Academy of Sciences	Slovakia
Jianfeng Wang	City University of Hong Kong	Hong Kong
Jinfeng Jia	Tsung-Dao Lee Institute	China
Jochen Salber	Ruhr-University Bochum	Germany
Jun Hayakawa	Hitachi, Center for Exploratory Research	Japan
Laura Silvestroni	CNR - ISTEC	Italy
Leon Shaw	Illinois Institute of Technology	USA
Letian Dou	Purdue University	USA
Liguo Qin	Xi'an Jiaotong University	China
Luca Scotti	University of Chieti-Pescara	Italy
Lung-Chien Chen	National Taipei University of Technology	Taiwan
M. Ricardo Ibarra	University of Zaragoza	Spain
Mahesh Joshi	Tribhuvan University	Nepal
Manjusri Misra	University of Guelph	Canada
Manoj Gupta	National University of Singapore	Singapore
Mariya Aleksandrova	Technical University of Sofia	Bulgaria
Mathieu Silly	Synchrotron SOLEIL	France
Miao Xiao	Soochow University	China
Mieczyslaw Lapkowski	Silesian University of Technology	Poland
Milos Beran	Food Research Institute Prague	Czech Republic
Ming-Hsi Huang	National Health Research Institutes	Taiwan
Minoru Sasaki	Gifu University	Japan
Mohd Hasmizam Razali	Universiti Malaysia Terengganu	Malaysia
Natassa Pippa	National and Kapodistrian University of Athens	Greece
Nattakan Soykeabkaew	Mae Fah Luang University	Thailand
Omar Chaalal	Abu Dhabi University	UAE
Pablo Fuentealba	Universidad De Chile	Chile
Peitao Dong	National University of Defense Technology	China
Pengwan Chen	Beijing Institute of Technology	China
Prasad KDV Yarlagadda	Queensland University of Technology	Australia
Qinghua Qin	Australian National University	Australia
Qingjie Zhang	Wuhan University of Technology	China
Qingyuan Wang	Chengdu University	China
Quanxi Jia	University at Buffalo	USA
Rainer Eichberger	Helmholtz-Zentrum Berlin	Germany

Ramesh K. Agarwal	Washington University	USA
Ryo Yoshida	The University of Tokyo	Japan
Sangmin An	Jeonbuk National University	South Korea
Sangwook Kim	Hiroshima University	Japan
Sheregii Eugen	University of Rzeszow	Poland
Shouju Wang	Nanjing Medical University	China
Sigeru Omatu	Osaka Institute of Technology	Japan
Simas Rackauskas	Kaunas University of Technology	Lithuania
Stefan Seeger	University of Zurich	Switzerland
Tetsuo Umegaki	Nihon University	Japan
Thomas Chamberlain	University of Leeds	UK
Vahid Abolhasannejad	Ryerson University	Canada
Viktor Gribniak	Vilnius Gediminas Technical University	Lithuania
Viviana Figa	Euro-Mediterranean Institute of Science & Technology	Italy
Xiaoming Wen	Swinburne University of Technology	Australia
Xiaoshan Lin	RMIT University	Australia
Xiaowang Zhou	Sandia National Laboratories	USA
Xiao-Yu Yang	Wuhan University of Technology	China
Yan Sun	Max Planck Institute for Chemical Physics of Solids	Germany
Yevgen Prokhorov	CINVESTAV del IPN	Mexico
Yi Lung Mo	University of Houston	USA
Yoshitake Masuda	National Institute of Advanced Industrial Science and Technology	Japan
Yuri Kivshar	Australian National University	Australia
Zeev Zalevsky	Bar Ilan University	Israel
Zeid Alothman	King Saud University	Saudi Arabia
IAAM Innovation Awardees		
Amerigo Beneduci	University of Calabria	Italy
Chao Gao	Xi'an Modern Chemistry Research Institute	China
Claudio Roscini	Catalan Institute of Nanoscience & Nanotechnology	Spain
Dimitrios Maroudas	University of Massachusetts Amherst	USA
Giovanni Barcaro	CNR-IPCF	Italy
Jean-Pierre Raskin	Universite Catholique de Louvain	Belgium
Juan Vivero-Escoto	University of North Carolina	USA
Mario Lanza	Soochow University	China
Mario Palma	University of São Paulo State	Brazil
Mauro Baesso	Universidade Estadual de Maringa	Brazil
Morteza Mahmoudi	Michigan State University	USA
Nasir Mahmood	RMIT University	Australia
Qiang Ao	Sichuan University	China
Thomas Skotnicki	Warsaw University of Technology	Poland

Tingdong Xu	Central Iron and Steel Research Institute	China
Xianshuang Wang	Beijing Institute of Technology	China
Yang Zhang	Harbin Engineering University	China
Yuan Yang	Columbia University	USA
Yuichi Negishi	Tokyo University of Science	Japan
Zhenjia Wang	Washington State University	USA
Zi Chen	Dartmouth College	USA
IAAM Medalists		
Alan Kin Tak Lau	Swinburne University of Technology	Australia
Anthony O'Mullane	Queensland University of Technology	Australia
Chee Kong Yap	Universiti Putra Malaysia	Malaysia
Chunyi Zhi	City University of Hong Kong	Hong Kong
David J. Lewis	University of Manchester	United Kingdom
Dejian Zhou	University of Leeds	United Kingdom
Denys Makarov	Helmholtz-Zentrum Dresden-Rossendorf	Germany
Dianlong Wang	Harbin Institute of Technology	China
Dmitri Talapin	University of Chicago	USA
Faiz Shaikh	Curtin University	Australia
Feng Miao	Nanjing University	China
Frank Cheng	University of Calgary	Canada
Giorgio Contini	Istituto di Struttura della Materia	Italy
Guihua Yu	The University of Texas at Austin	USA
Hin Lap Yip	City University of Hong Kong	Hong Kong
Jian Liu	University of Surrey	United Kingdom
Jing Liu	Tsinghua University	China
Jiang Yu	Beijing University of Chemcial Technology	China
John Wang	National University of Singapore	Singapore
Joseph Lyding	University of Illinois at Urbana-Champaign	USA
Joung Real Ahn	Sungkyunkwan University	South Korea
Meicheng Li	North China Electric Power University	China
Mohamed A. Ismail	Miami College of Henan University	China
Mona Zaghloul	The George Washington University	USA
Paddy French	Delft University of Technology	Netherlands
Qian Wang	Peking Univerisity	China
Radek Zboril	Palacky University Olomouc	Czech Republic
Ravi Radhakrishnan	University of Pennsylvania	USA
Shao-Chun Li	Nanjing University	China
Shizhang Qiao	The University of Adelaide	Australia
Shlomo Magdassi	The Hebrew University of Jerusalem	Israel
Tian Xia	University of California, Los Angeles	USA
Vasudevan Biju	Hokkaido University	Japan
Wanqin Jin	Nanjing Tech University	China

Weiyou Yang	Ningbo University of Technology	China
Xiangyang Shi	Donghua University	China
Xiaojing Hao	University of New South Wales	Australia
Xiaojun Hu	Zhejiang University of Technology	China
Xin Zhang	Boston University	USA
Yongwei Zhang	Institute of High Performance Computing	Singapore
Yusuke Yamauchi	The University of Queensland	Australia
Zhenhui Kang	Soochow University	China
Zhiyu Hu	Shanghai Jiao Tong University	China

IAAM Scientist Medal

Anderson Shum	The University of Hong Kong	Hong Kong
Angela Malara	Universita Mediterranea di Reggio Calabria	Italy
Aung Ko Ko Kyaw	Southern University of Science and Technology	China
Ayse Turak	McMaster University	Canada
Byron Gates	Simon Fraser University	Canada
Baozhong Sun	Donghua University	China
Caichao Wan	Central South University of Forestry and Technology	China
Changle Chen	University of Science and Technology of China	China
Chee Kong Yap	Universiti Putra Malaysia	Malaysia
Christine Dufes	University of Strathclyde	UK
Chun Yuan Liu	Jinan University	China
Cui-Yun Yu	University of South China	China
Damien Voiry	University of Montpellier	France
Daria Andreeva	University of Singapore	Singapore
Didem Karaman	Izmir Katip Celebi University	Turkey
Duyang Zang	Northwestern Polytechnical University	China
Enamul Haque	RMIT University Melbourne	Australia
Erwan Rauwel	Estonian University of Life Sciene	Estonia
Faiz Shaikh	Curtin University	Australia
Ghazi Al-Khateeb	University of Sharjah	UAE
George Kyzas	International Hellenic University	Greece
Guangming Zhang	Qingdao University of Technology	China
Hak-Joon Sung	Yonsei University	South Korea
Hee-Jo Lee	Daegu University	South Korea
Hong Yang	Tianjin Medical University	China
Huipeng Chen	Fuzhou University	China
James Dorman	Louisiana State University	USA
Ji Liu	Southern University of Science and Technology	China
Jian Liu	University of Surrey	UK
Jiangjiexing Wu	Tianjin University	China

Jianlin Li	Nanjing Normal University	China
Jiegang Peng	University of Electronic Science and Technology of China	China
Jiong Zhou	Northeastern University	China
Jong Hyun Park	LG Display	South Korea
Josep Nogues	Catalan Institute of Nanoscience & Nanotechnology	Spain
Joseph Lyding	University of Illinois at Urbana-Champaign	USA
Jun Chen	University of California	USA
Junhui Hu	Nanjing University of Aeronautics & Astronautics	China
Junying Zhang	Beihang University	China
Kailiang Ren	Chinese Academy of Sciences	China
Kanwarpal Singh	Max Planck Institute for the Science of Light	Germany
Kazuaki Sanada	Toyama Prefectural University	Japan
Ke Wang	East China University of Technology	China
Kun Zhang	Donghua University	China
Kyle Jiang	The University of Birmingham	United Kingdom
Laichang Zhang	Edith Cowan University	Australia
Lei Yang	Hebei University of Technology	China
Licin Xue	Zhejiang University of Technology	China
Long Li	Xidian University	China
Maria Ibáñez	Institute of Science and Technology Austria	Austria
Mario Einax	Botswana International University of Science and Technology	Botswana
Matteo Palma	Queen Mary University of Londopn	UK
Mei Cai	General Motors	USA
Meicheng Li	North China Electric Power University	China
Mihkel Koel	Tallinn University of Technology	Estonia
Min Li	University of Oklahoma Health Sciences Center	USA
Minghu Pan	Shaanxi Normal Univeristy	China
Mohamed El-Newehy	King Saud University	Saudi Arabia
Monica Jablonski	University of Tennessee Health Science Center	USA
Moon Il Kim	Gachon University	South Korea
Muhammad Abbas Ahmad Zaini	Universiti Teknologi Malaysia	Malaysia
Osamu Umezawa	Yokohama National University	Japan
Pavle Radovanovic	University of Waterloo	Canada
Qian Wang	Peking Univerisity	China
Qiaobao Zhang	Xiamen University	China
Qihong Deng	Zhengzhou University	China
Robert Bucki	Medical University of Bialystok	Poland
Satoshi Konishi	Ritsumeikan University	Japan
Shao-Chun Li	Nanjing University	China
Sheng Chen	Nanjing University of Science and Technology	China
Sheng Chen	Nanjing University of Science and Technology	China
Shin Aoki	Tokyo University of Science	Japan
Shinsuke Ifuku	Tottori University	Japan
T. A. Venkatesh	Stony Brook University	USA

Tao Li	Northern Illinois University	USA
Tayebeh Ameri	University of Edinburgh	UK
Tianliang Li	Wuhan University of Technology	China
Tomasz Krystofiak	Poznan University of Life Sciences	Poland
Tomohito Kameda	Tohoku University	Japan
Valentina Giordano	Institute Lumiere Matiere, CNRS	France
Wanchun Guo	Yanshan University	China
Wei Wei	Xi'an Jiaotong University	China
Weiqiao Deng	Shandong University	China
Weiwei Wang	Peking Union Medical College	China
Wen Wang	Institute of Acoustics, Chinese Academy of Sciences	China
Wenbo Peng	Xi'an Jiaotong University	China
Wing Chung Tsoi	Swansea University	UK
Wing-Fu Lai	The Chinese University of Hong Kong	China
Xiaojing Hao	University of New South Wales	Australia
Xiaolong Wang	Lanzhou Institute of Chemical Physics, Chinese Academy of Sciences	China
Xiong Zhang	Huazhong University of Science and Technology	China
Xiongwu Kang	South China University of Technology	China
Xue Jiang	Fudan University	China
Yanli Song	Wuhan University of Technology	China
Yasuyoshi Kurokawa	Nagoya University	Japan
Yi Hu	Chinese Academy of Sciences	China
Yingguo Yang	Fudan University	China
Yingshuai Wang	Weifang Medical University	China
Yongzhu Fu	Zhengzhou University	China
Yuanyuan Zhou	Hong Kong Baptist University	Hong Kong
Yushi Liu	Harbin Institute of Technology	China
Zhifeng Huang	Hong Kong Baptist University	Hong Kong
Zhigang Meng	Chinese Academy of Agricultural Sciences	China
Zhigang Yin	Chongqing University	China
Zhiyu Hu	Shanghai Jiao Tong University	China
Zhongchang Wang	International Iberian Nanotechnology Laboratory	Portugal
Zongqiang Cui	Chinese Academy of Sciences	China
IAAM Sustainability Award		
Gyorgy Szekely	King Abdullah University of Science & Technology	Saudi Arabia
IAAM Scientist Award		
Acelya Yilmazer	Ankara University	Turkey
Alf Lamprecht	University of Bonn	Germany
Amir Fahmi	Rhein-Waal University of Applied Sciences	Germany
Andrey Rogachev	Illinois Institute of Technology	USA
Anthony Rollett	Carnegie Mellon University	USA

Apostolos Avgeropoulos	University of Ioannina	Greece
Arturs Medvids	Riga technical university	Latvia
Ashok Keerthi	The University of Manchester	UK
Assem Barakat	King Saud University	Saudi Arabia
Bi Zhang	Southern University of Sience and Technology	China
Blanka Tomkova	Technical University Liberec	Czech Republic
Can Dincer	University of Freiburg	Germany
Carlos Felipe Acevedo Velasquez	Universidad Nacional De Colombia	Colombia
Carmen-Penelopi Papadatu	University of Galati	Romania
Chao Tang	Nanjing University of Posts & Telecommunications	China
Chien-Lung Wang	National Chiao Tung University	Taiwan
Chi-Min Shu	National Yunlin University of Science & Technology	Taiwan
Chin-Ti Chen	Academia Sinica	Taiwan
Chunqing Wang	Harbin Institute of Technology	China
Chunzhong Li	East China University of Science and Technology	China
Cindy Gunawan	University of Technology Sydney	Australia
Dalia Chavez Garcia	CETYS Universidad	Mexico
Deb	King's College London	UK
Detao Liu	South China University of Technology	China
Dongfang Yang	National Research Council Canada	Canada
Elisa Bertolesi	Brunel University London	UK
Eva Unger	Helmholtz Zentrum Berlin	Germany
Eva Unger	Helmholtz Zentrum Berlin	Germany
Farhat Afrin	JIS University	India
Felipe Oyarzun-Ampuero	University of Chile	Chile
Flavia Bollino	University of Campania Luigi Vanvitelli	Italy
Fumio Koyama	Tokyo Institute of Technology	Japan
Giuseppe Failla	University of Reggio Calabria	Italy
Guifu Zou	Soochow Univeristy	China
Hai-Dong Wang	Tsinghua University	China
Haiping He	Zhejiang University	China
Hans-Peter Grossart	Universität Potsdam	Germany
Harn Wei Kua	National University of Singapore	Singapore
Hasmukh Patel	Aramco Americas: Aramco Research Center	USA
Hermenegildo Garcia	Valencia Polytechnic University	Spain
Hiang Kwee Lee	Nanyang Technological University	Singapore
Hongjin Fan	Nanyang Technological University	Singapore
Ikuyoshi Tomita	Tokyo Institute of Technology	Japan
Jaroslav Jerz	Institute of Materials & Machine Mechanics	Slovakia
Jiahao Yan	Jinan University	China
Jian Su	Nanjing University of Science and Technology	China
Jian Xie	North China Electric Power University	China
Jian-Dong Huang	Fuzhou University	China
Jianfeng Wang	City University of Hong Kong	Hong Kong

Jin Zhang	Harbin Institute of Technology	China
Jinxi Wang	University of Kansas Medical Center	USA
Jisoon Ihm	Pohang University of Science and Technology	South Korea
Jochen Salber	Ruhr-University Bochum	Germany
John Hardy	Lancaster University	UK
Jun Yi	Xiamen University	China
Junidah Lamaming	Universiti Malaysia Sabah	Malaysia
Junji Tominaga	National Institute of Advanced Industrial Science and Technology	Japan
Kah-Yoong Chan	Multimedia University	Malaysia
Kofi Adu	Pennsylvania State University-Altoona College	USA
Laima Cesoniene	Vytautas Magnus University	Lithuania
Laura Anfossi	University of Torino	Italy
Leonardo Fernandes Fraceto	Universidade Estadual Paulista	Brazil
Liguo Shen	Zhejiang Normal University	China
Liling Sun	Institute of Physics, Chinese Academy of Sciences	China
Liyi Li	Intel Corporation	USA
Luca Persichetti	University of Rome	Italy
Luca Scotti	University of Chieti-Pescara	Italy
Lung-Chien Chen	National Taipei University of Technology	Taiwan
Lunyong Zhang	Harbin Institute of Technology	China
Marion Merklein	Friedrich-Alexander-Universität Erlangen-Nürnberg	Germany
Martin Schmal	Universidade Federal do Rio de Janeiro	Brazil
Martin Weiss	Eberhard-Karls-University Tubingen	Germany
Masaru Kato	Osaka Prefecture University	Japan
Mathieu Silly	Synchrotron SOLEIL	France
Mehrdad Ghasemi Nejhad	University of Hawaii at Manoa	USA
Menglu Chen	Beijing Institute of Technology	China
Michael Zachman	Oak Ridge National Laboratory	USA
Michael Zehetbauer	University of Vienna	Austria
Minoru Sasaki	Gifu University	Japan
Mohamed Elgawady	Missouri University of Science and Technology	USA
Moshe Averbukh	Ariel University	Israel
Nagaraj Nandihalli	Ames National Laboratory	USA
Naresh Kasoju	Sree Chitra Tirunal Institute for Medical Sciences and Technology	India
Nasim Annabi	The University of California, Los Angeles	USA
Nura Mohamed	Qatar University	Qatar
Pablo Guardia	The Catalonia Institute for Energy Research	Spain
Patricia Concepcion	Instituto de Tecnologia Quimica	Spain
Paul Heinz Mayrhofer	Technische Universitat Wien	Austria
Peter Wagner	Isovolta AG	Austria
Pradeep Rohatgi	University of Wisconsin-Milwaukee	USA
Prashant Sonar	Queensland University of Technology	Australia
Predrag Krstic	Stony Brook University	USA
Qingli Dai	Michigan Technological University	USA

Qingli Dai	Michigan Technological University	USA
Ramana Pidaparti	University of Georgia	USA
Ray Su	The University of Hong Kong	Hong Kong
Raymond J. Turner	University of Calgary	Canada
Salvador Ivorra	University of Alicante	Spain
Sangmin An	Jeonbuk National University	South Korea
Sangwook Kim	Hiroshima University	Japan
Santanu Ghosh	Indian Institute of Technology, Delhi	India
Shanglei Feng	Shanghai Institute of Applied Physics, CAS	China
Shanju Zhang	Cal Poly	USA
Shaohua Guo	Nanjing University	China
Shaohua Shen	Xi'an Jiaotong University	China
Sheng-Yuan Chu	National Cheng Kung University	Taiwan
Shi-Jun Liang	Nanjing University	China
Shi-Jun Liang	Nanjing University	China
Siu Hong Dexter Wong	The Hong Kong Polytechnic University	Hong Kong
Sivakumar Manickam	University Teknologi Brunei	Brunei Darussalam
Sridhar	Northeastern University	USA
T.R. Kurfess	Georgia Institute of Technology	USA
Takayoshi Ishimoto	Yokohama City University	Japan
Tao Gao	Nanjing Normal University	China
Tarun Goswami	Wright State University	USA
Tetsuo Umegaki	Nihon University	Japan
Tirumalai S Srivatsan	University of Akron	USA
Wouter Maijenburg	Martin-Luther-University Halle-Wittenberg	Germany
Xiaobin Chen	Harbin Institute of Technology	China
Xiao-Feng Sun	Northwestern Polytechnical University	China
Xiaomeng Zhang	Institute of Process Engineering, Chinese Academy of Sciences	China
Xiaoshan Lin	RMIT University	Australia
Xingsen Gao	South China Normal University	China
Xu Long	Northwestern Polytechnical University	China
Xu-Yang Cao	Hohai University	China
Yang Xu	Zhejiang University	China
Yi Liu	Shandong University	China
Yin Fan	Shanghai Jiao Tong University	China
Yinlong Zhu	Monash University	Australia
Young-Jin Cha	National Taipei University of Technology	Taiwan
Young-Jin Cha	University of Manitoba	Canada
Yu Lei	Tsinghua University	China
Yuan Chen	The University of Sydney	Australia
Yuan Shi	German Aerospace Center	Germany
Yu-Sheng Lin	Sun Yat-Sen University	China
Zeid ALOthman	King Saud University	Saudi Arabia
Zhao Ma	Shandong University	China

Zhaopeng Hao	Changchun University of Technology	China
Zhen Luo	University of Technology Sydney	Australia
Zhen Wang	The University of Hong Kong	China
Zhenhai Xia	University of North Texas	USA
Zhiyuan Zhu	Southwest University	China
Zhong-Kang Han	Skolkovo Institute of Science and Technology	Russian Federation
Zisheng Xu	Zhejiang Normal University	China
Zhouyue Lei	Harvard University	USA
Zigeng Wang	Beijing University of Technology	China
Zulkifli Ahmad	University of Science	Malaysia
IAAM Young Scientist Award		
Abd El-Fatah Abomohra	Chengdu University	China
Ahmed Hemida	Missouri S & T	USA
Aidin Lak	Technische Universitat Braunschweig	Germany
Andres Gualdron-Reyes	Universitat Jaume I	Spain
Biao Zuo	Zhejiang Sci-Tech University	China
Boxin Wei	Institute of Metal Research	China
Cang Zhao	Tsinghua University	China
Chaolung Chiang	National Synchrotron Radiation Research Center	Taiwan
Cheng Jiang	Western Sydney University	Australia
De-Cheng Feng	Southeast University	China
Dhiraj Bhatia	Indian Institute of Technology Gandhinagar	India
Diana Iruretagoyena Ferrer	Imperial College London	UK
Dibakar Datta	New Jersey Institute of Technology	USA
Dong Meng	University of California	USA
Dong Xiang	Southwest Petroleum University	China
Filip Car	University of Zagreb	Croatia
Gautam Yadav	Urban Electric Power	USA
Guijie Li	Zhejiang University of Technology	China
Guofa Cai	Henu University	China
Haiding Sun	University of Science and Technology of China	China
Hainan Gao	Beijing Technology and Business University	China
Han Jin	Shanghai Jiao Tong University	China
Hao Wu	Songshan Lake Materials Laboratory	China
Honghong Wu	Huazhong Agricultural University	China
Hongliang Ming	Institute of Metal Research, Chinese Academy of Sciences	China
Huabin Zhang	King Abdullah University of Science and Technology	Saudi Arabia
Huacheng Zhang	RMIT University	Australia
Idowu Ibrahim	Tshwane University of Technology	South Africa
Inki Kim	Sungkyunkwan University	South Korea
Javeed Mahmood	Ulsan National Institute of Science and Technology	South Korea
Jeannie Tan	Heriot-Watt University	UK
Jennifer Gubitosa	University of Bari	Italy

Jia Liangjiu	Tongji University	China
Jiahao Wang	Harbin Engineering University	China
Jianping Yang	Central South University	China
Jie Tang	The University of Queensland	Australia
Jing Sun	Qingdao University of Science and Technology	China
Jinghuai Zhang	Harbin Engineering University	China
Jingwei Hou	The University of Queensland	Australia
Jinhye Bae	University of California San Diego	USA
Jun Zou	Changjiang Institute of Survey, Planning, Design and Research	China
Kai Liu	Southwest Jiaotong University	China
Kai Wang	Beijing Jiaotong University	China
Kai Yu	University of Colorado Denver	USA
Krystian Mistewicz	Silesian University of Technology	Poland
Kyle Cordova	Royal Scientific Society	Jordan
Lijun Zhu	Cornell University	USA
Lilong Pang	Institute of Modern Physics, Chinese Academy of Sciences	China
Lukas Hahn	Julius-Maximilians-University Würzburg	Germany
Lukasz Witek	NYU College of Dentistry	USA
Luzhao Sun	Beijing Graphene Institute	China
M. S. Santosh	CSIR-Central Institute of Mining and Fuel Research	India
Maciej Cieplak	Institute of Physical Chemistry Polish Academy of Sciences	Poland
Manzar Abbas	Radboud University Nijmegen	Netherlands
Ming Zheng	China University of Mining and Technology	China
Mohamed Abdelaty Habila	King Saud University	Saudi Arabia
Mohammad Arjmand	University of British Columbia	Canada
Motilal Mathesh	Deakin University	Australia
Mubin Tarannum	Dana Farber Cancer Institute	USA
Mudasir Shagoo	National Institute of Technology	India
Nan Jiang	Sichuan University	China
Nicholas Grundish	University of Texas at Austin	USA
Ning An	Sichuan University	China
Nor Hasanah Abdul Shukor Lim	Universiti Teknologi Malaysia	Malaysia
Nur Hafizah Abd Khalid	Universiti Teknologi Malaysia	Malaysia
Oana Cojocaru-Miredin	RWTH Aachen University	Germany
Pan Feng	Southeast University	China
Parthasarathy Srinivasan	Amrita Vishwa Vidyapeetham University	India
Pei Zhao	Zhejiang University	China
Peng Zhang	Zhengzhou University	China
Phei Er Saw	Sun Yat-sen University	China
Ping Ping Liu	University of Science and Technology Beijing	China
Pingan Zhu	City University of Hong Kong	China
Puxian Xiong	South China University of Technology	China
Qiang Zhang	Changchun Institute of Applied Chemistry, Chinese Academy of Sciences	China
Qiliang Fu	Scion	New Zealand

Qingshan Wei	North Carolina State University	USA
Rachid Masrour	Sidi Mohamed Ben Abdellah University	Morocco
Ritesh Shukla	Ahmedabad University	India
Rizzi Vito	University of Bari "Aldo Moro"	Italy
Roberto Molinaro	IRCCS San Raffaele Hospital	Italy
Rui-Tao Wen	Southern University of Science and Technology	China
Seog Joon Yoon	Yeungnam University	South Korea
Shengyu Dai	Anhui University	China
Shuai Li	Southeast University	China
Shuang Yang	East China University of Science and Technology	China
Tao Zhang	China Agricultural University	China
Thanh Nguyen	University of Connecticut	USA
Tien Quach	University of Nottingham	United Kingdom
Wei Chen	Brigham and Women's Hospital	USA
Wei Jiang	Chang'an University	China
Xiankui Wei	Forschungszentrum Jülich	Germany
Xiaoguang Li	Northwestern Polytechnical University	China
Xinlei Pan	Air Force Engineering University	China
Xinxin Wei	Ruhr-Universität Bochum	Germany
Xinyue Wang	Dalian University of Technology	China
Xu He	Harbin Institute of Technology	China
Xusheng Yang	The Hong Kong Polytechnic University	China
Xu-Yang Cao	Hohai University	China
Yan Zhang	Xinjiang University	China
Yan-Bin Luo	Chang'an University	China
Yanguang Zhou	The Hong Kong University of Science & Technology	Hong Kong
Yeshui Zhang	University of Aberdeen	UK
Yin Fan	Shanghai Jiao Tong University	China
Yinlong Zhu	Monash University	Australia
Yu Lei	Tsinghua University	China
Yuan Chen	The University of Sydney	Australia
Yuan Shi	German Aerospace Center	Germany
Zhao Ma	Shandong University	China
Zhaopeng Hao	Changchun University of Technology	China
Zhen Wang	The University of Hong Kong	China
Zhiyuan Zhu	Southwest University	China
Zhong-Kang Han	Skolkovo Institute of Science and Technology	Russian Federation
Zhouyue Lei	Harvard University	USA
Zigeng Wang	Beijing University of Technology	China
IAAM Young Scientist Medal		
Dong Meng	University of California	USA
Lin Jing	Southwest Jiaotong University	China
Liyuan Zhang	Ningbo University	China
Ping Ping Liu	University of Science and Technology Beijing	China

Publication

Promoting Open Access Scientific Publishing

The International Association of Advanced Materials is dedicated to the dissemination of research and knowledge in the fields of advanced materials, materials science, engineering, and technology. Since its founding, IAAM has been publishing a diverse range of academic materials, including journals and books, to support and advance these scientific areas.

IAAM Publications' "Reflection on Free Access" highlights their 15-year dedication to open access publishing in advanced materials. With contributions from 25,000 authors and support from 750 editors and reviewers globally, IAAM has become a key non-profit OA scientific publisher. Their diverse journals, like Advanced Materials Letters, Advanced Materials Proceedings, and Advanced Materials Video Proceedings, receive significant attention, marked by high download and citation rates. IAAM's commitment to supporting its network fosters a wide-reaching, respected source of information in various fields.

Non-profit publication

In 2010, the International Association of Advanced Materials debuted its inaugural publication, Advanced Materials Letters, an open-access, non-profit international scientific journal. This journal has been instrumental in disseminating scientific research, offering peer-reviewed, high-quality articles in the fields of materials science, engineering, and technology. Capitalizing on the success of Advanced Materials Letters, IAAM subsequently launched Advanced Materials Proceedings, further broadening the scope of its peer-reviewed scientific content in science and technology. Alongside these flagship journals, IAAM has also published various books, articles, and proceedings. In 2020, marking a novel venture in scientific communication, IAAM introduced the Video Proceedings of Advanced Materials, an audio-visual journal. This innovative format has garnered significant attention, with an annual viewership of 300,000 per month from over 170 countries.

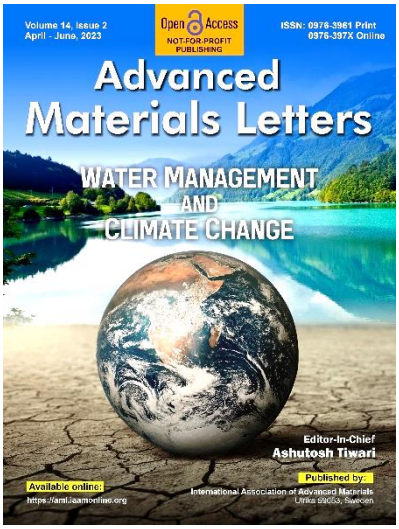
Disseminating knowledge and research

The International Association of Advanced Materials believes that scientific knowledge and research should be accessible to people globally. To support this vision, IAAM publishes open-access journals and books on a not-for-profit basis. These initiatives ensure that the global materials science community stays informed about the latest advancements and progress in the scientific field. By offering free access to its publications, IAAM fosters an environment conducive to innovation, learning, and pioneering. Over the past decade, IAAM has played a pivotal role in eliminating barriers to accessing knowledge, significantly aiding in the professional advancement of individuals in the field.

www.iaamonline.org/publications-news

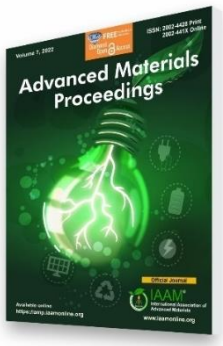
Advanced Materials Letters

Advanced Materials Letters (AML), the official international diamond open-access scientific journal of the International Association of Advanced Materials, was launched in 2010, shortly after IAAM's formation. AML publishes high-quality, peer-reviewed articles and papers on materials science, engineering, and technology. In addition to original research and review articles, AML engages in and facilitates discussions on a wide range of interdisciplinary topics. The journal's scope includes, but is not limited to, environmental and green materials, biomaterials and biodevices, magnetic and optical materials, molecularly imprinted materials, and drug and gene delivery. Over the past 15 years, AML has experienced a remarkable and successful journey, partly due to its unique approach to the widespread dissemination of knowledge and information in advanced materials science and technology.



https://aml.iaamonline.org

Advanced Materials Proceedings



After making a significant impact in the field of advanced materials with Advanced Materials Letters, the International Association of Advanced Materials introduced Advanced Materials Proceedings. This additional international scientific journal publishes peer-reviewed interdisciplinary scientific articles and papers. It serves the scientific community by featuring research and innovations in various fields, including healthcare, nanotechnology, and the environment, among others. The journal is dedicated to providing a platform for materials researchers, scientists, engineers, and technologists to effectively communicate about key topics in advanced materials. Furthermore, by allowing renowned researchers to present their findings, Advanced Materials Proceedings plays a dynamic position in the materials community.

https://amp.iaamonline.org

Conference Proceedings

As part of its not-for-profit publication initiatives, the International Association of Advanced Materials publishes state-of-the-art conference proceedings. These proceedings, recognized globally by academia and industry, are among the most valuable collections of research presented in the field of materials science and technology. The organization publishes peer-reviewed proceedings for conferences, meetings, seminars, and various other events, both major and minor. While primarily serving the materials science community, IAAM also publishes proceedings for a range of other industry sectors.

The organization's not-for-profit publication initiatives are gaining rapid recognition worldwide. The conferences for which IAAM publishes proceedings receive significant attention from academia and relevant industries. Continually expanding, IAAM's conference proceedings aim to comprehensively report the key findings presented at international conferences and smaller events.

Advanced Materials Video Proceedings

Advanced Materials Video Proceedings is an open access peer-reviewed audio video journal that publishes state-of-the-art research advancements in materials science, engineering, and technology.

The journal provides a comprehensive audio-visual overview of the multi-inter-trans disciplinary areas of advanced materials research, innovation, and technology. The primarily covered subject areas include a wide range of Materials applicable in Nanoscience and Nanotechnology, Energy and Environment, Physics, Chemistry and Biology, Health Science and Technology, Mathematical, Computer and Theoretical Modelling, Data Science, Artificial Intelligence and Machine Learning, Structural and Engineering Materials, etc.

Following a rigorous peer-review process, the video journal will publish the recorded lecture, along with the abstract of the findings and the biography of the presenting author. This journal provides an efficient platform for open-access science and technology content. Its editorial members and advisory board are dedicated to producing high-quality scientific video articles for a wide audience. As of December 2023, the journal boasts an annual readership exceeding 2 million.

www.proceedings.iaamonline.org

Why submit proposals to IAAM?

- No Processing Charges
- Huge Reach
- Highly Indexed Journals
- High Quality
- Highly Trained Editorial Team
- Non-profit Open Access Publication

Submit Proposals for Publication

The association encourages scholars and academicians to submit proposals for special issues in its international open-access scientific journals. The primary aim of these special issues is to showcase a collection of papers focused on specific advanced materials. Prospective editors should submit proposals that justify the selection of the special issue topic.

The proposal must contextualize the work within existing literature and suggest a few topics for inclusion. Additionally, editors are required to submit the following documents:The proposal, including the title, description, and topics to be covered.

- CV/short biography of the guest editor(s).
- Any supplementary information such as plans for workshops or symposiums in any upcoming IAAM conference.

To submit a proposal, please email:

publication@iaamonline.org

Events & Consortiums

The IAAM's flagship events, including the Advanced Materials Congress, Baltic Conference Series, Fellow Summit, International Conclaves, and World Conference Series, stand out as key international forums. These events gather experts from academia, industry, policy, and civil society globally. They offer a stage for exchanging experiences, unveiling groundbreaking research, and encouraging cross-disciplinary collaboration. Occurring across continents like America, Asia, Europe, and Australia, they demonstrate a worldwide influence. Unique themes like 'Knowledge Experience at Sea/Campus/Web/Nature' guide these events, promoting widespread dissemination and evaluation of advanced materials research. These conferences unite scientists and industry experts, facilitating knowledge sharing and networking across age groups. Participants contribute to IAAM's goal of 'Advancing Materials to Global Excellence,' supporting a community dedicated to material sciences and fostering global connections and partnerships.

Advanced Materials Congress

In its about fifteen years of existence, the Advanced Materials Congress (AMC, www.iaamonline.org/advanced-materials-congress) has actively established a global platform spanning Europe, Asia, Australia, and America to collectively pursue the 2030 agenda of 'The Advancement of Materials for a Sustainable and Greener World.' The Advanced Materials Congress serves as the flagship conference of the International Association of Advanced Materials and commenced in 2011 with the mission of advancing materials by creating a highly interactive platform. This platform brings together researchers, professionals, scientists, students, industry leaders, policymakers, and various organizations from around the world. It facilitates discussions on new research, innovations, and technology in the realm of advanced materials science, engineering, and technology.

Over the past a decade and a half, about 60 AMC assemblies have successfully established a global presence across Asia, Europe, Australia, and the USA, all contributing to the advancement of materials to global excellence. Reflecting on this journey, it's a source of great pride that AMC assemblies have welcomed over 25,000 delegates from more than 125 countries and hosted 10,000 lectures from over 4,500 prestigious organizations.

AMC organizes conferences under various geographical and thematic themes:

- Advanced Materials World Congress (AMWC): A biannual conference held since 2011, with the scheduled assembly in the Caribbean Sea to celebrate its 13th anniversary in November 2023.
- European Advanced Materials Congress (EAMC): An annual conference in Europe since 2016.
- American Advanced Materials Congress: A biannual conference held in America since 2016.
- Asian Advanced Materials Congress: A biannual conference assembly in Asia since 2017.
- Australian Advanced Materials Congress: A biannual conference assembly in Australia since 2020.
- Advanced Materials WebCongress (AM Web): An online LIVE conference series initiated in 2020.
- Advanced Nanomaterials Congress: Discusses interdisciplinary research and developments in nanomaterials and nanotechnology, organized since 2011.
- Advanced Composite Materials Congress: A thematic conference series in composite materials science, engineering, and technology, organized since 2018.
- Energy Materials and Technology Conference (AMC Energy): A thematic conference series in energy materials and technology, organized since 2018.
- Advanced Functional Materials Congress: A thematic conference assembly in functional materials and technology, organized since 2019.

These conferences serve as vital platforms for the exchange of knowledge and collaboration in the field of advanced materials across the globe.

Baltic Conference Series

The Baltic Conference Series (BCS) serves as a comprehensive platform designed to highlight the most recent developments in Climate Neutral Research, Innovations, and Technology across diverse sectors. This forum convenes biannual gatherings on the shores of the Baltic Sea, dedicated to discussions on achieving a clean and sustainable society. BCS is guided by the motto of promoting "Climate Neutral R&D and Green Tech." IAAM has been actively engaged in various environmentally friendly initiatives, aiming to unite academia and

industries through its R&D World Links and Consortia to contribute to the creation of a Climate Neutral Society. BCS plays a pivotal role in driving research aligned with the United Nations' Sustainable Development Goals and the objectives of the European Green Deal.

BCS makes a joyous seven-year milestone

- IAAM has successfully hosted seven editions of the Baltic Conference Series as of December 2023.
- The name "Baltic Conference Series" is derived from its unique venue — A cruise journey featuring picturesque views of the Baltic Sea.
- BCS provides a global platform for industries, startups, spinoff companies, government authorities, policymakers, and academia to engage in progressive clean-tech research.
- Over 1200 delegates from more than 60 countries have participated, contributing to over 450 plenaries, keynotes, and invited lectures from over 600 prestigious institutes.
- BCS has seen the active involvement of more than 500 young researchers and approximately 350 women scientists. Eminent experts have enriched the legacy of "Advancements in Green Technology to Market."
- The primary focus and key areas of study in BCS encompass Climate Neutral R&D, Clean Innovation, and Technology. These fields include Wood Technology, Paper and Pulp, Water Technology, Plastic and Rubber Technology, Chemical Technology, Medical Technology, and many others.

World Congress Series

The World Congress Series (WCS) is a global celebration that transcends borders, dedicated to the advancement of science, engineering, and technology. With a reach that spans all corners of the world, WCS brings together interdisciplinary fields including Physics, Chemistry, Biology, Medicine, and Engineering. It provides a platform for academics and industry professionals to showcase their research findings, innovations, services, and products.

Commending the illustrious years of WCS

- Until December 2023, IAAM has organized seven editions of the World Congress Series. WCS is a platform that promotes advanced sciences, engineering, and technology. It has attracted approximately 850 delegates from 55 countries.
- WCS places a strong emphasis on establishing cross-disciplinary R&D World Links and Consortia, particularly in the fields of Health, Energy, and Environment.
- The primary objective of WCS is to encompass and bridge diverse interdisciplinary subject areas, including Physics, Chemistry, Biology, Medicine, Engineering, and many others.
- WCS provides valuable opportunities for extensive global networking across the world. It delves into recent advancements and explores new-age opportunities for a sustainable future.

Advanced Materials Lecture Series

The Advanced Materials Lecture Series (www.iaamonline.org/advanced-materials-lecture-series) is an ongoing online lecture series initiated by the International Association of Advanced Materials. Each lecture in this series is recorded and made available for publication in the open-access audio-video literature known as the Video Proceedings of Advanced Materials (www.proceedings.iaamonline.org).

This lecture series is designed to foster open and informed dialogues on topics related to Advanced Materials Science, Engineering, and Technology. It also encourages scientists to consider the societal implications of their research.

Speaker Selection Process

The International Association of Advanced Materials conducts an annual review of the latest research and development across the domains of materials science, engineering, and technology. This review leverages the most esteemed scientific databases. The outcome of this review is used to extend invitations to the world's top one hundred scientific contributors from various fields each year. These individuals are invited to submit nominations for IAAM's prestigious recognitions, which include titles such as IAAM Fellow, IAAM Medals, Scientist Medal, and Advanced Materials Awards, among others. As per the association's mandatory requirement, recipients of IAAM's distinct recognitions are expected to deliver a lecture within three months from the date of acceptance.

Session Chair Nomination

Annually, the IAAM office invites leading scientists to submit their nominations along with their comprehensive CVs. Nominations can be submitted via the Online Portal or through email at contact@iaamonline.org. The scientific committee assesses the nominations based on the ranking of the scientists' contributions to the field. These contributions encompass both experimental and theoretical studies in the realm of fundamental and applied interdisciplinary research in materials science, engineering, and technology. Following this evaluation, the scientific committee extends invitations to the researchers to submit abstracts.

International Conclave on Materials, Energy & Climate

The Conclave on Materials, Energy & Climate is an international networking event presented by the International Association of Advanced Materials and hosted by universities, government entities, or scientific organizations on their campuses. IAAM has introduced this unique style of gatherings as Climate Dialogues, bringing together regional insights and the perspectives of young minds, connected with global R&D networks, with the aim of creating a brighter future. This conclave delves into discussions about climate-neutral approaches in the domains of health, energy, environment, and materials. It serves as a platform for researchers, students, educators, policymakers, and industry leaders to share their research findings, results, groundbreaking innovations, transformative ideas, policy insights, product showcases, and to initiate new collaborations on an international stage.

Live Knowledge at Web

“Live Knowledge at Web™” represents a distinctive approach devised by the leadership of the International Association of Advanced Materials to facilitate the seamless dissemination of scientific knowledge and its significance. This innovative format harnesses the vast virtual space of the internet to orchestrate international events centered around materials science. Its primary objective is to unite the materials science community within a virtual realm, eliminating the need for physical travel to participate in conferences and research activities.

“Live Knowledge at Web™” serves as an exceptionally valuable tool by removing geographical barriers from the world of scientific research and conferences. Additionally, all lectures and discussions recorded within this framework hold the status of scholarly literature and are accessible to a global audience. Within this unique format, IAAM has chosen to leverage the internet to host Advanced Materials WebCongressesTM periodically. This approach proves especially beneficial in the fields of materials science, engineering, and technology, as it enables the exchange of groundbreaking ideas from distant locations at any time.

Advanced Materials WebCongress™

Within the framework of ‘Live Knowledge at Web™’, the International Association of Advanced Materials organized the Advanced Materials WebCongress™. This event featured a multitude of international WebConferences, each hosting numerous interactive and technical sessions. AMWeb proudly held the title of the world's largest Online Materials Congress, with a duration spanning up to 1000 hours and participants hailing from approximately 150 countries. The WebCongress played a pivotal role in unifying the materials science community, especially during the challenging times of the COVID-19 pandemic.

During its initial phase, AMWeb took place from August 31, 2020, to March 31, 2021, under the ‘Live Knowledge at Web™’ format. It provided dedicated online sessions that proved highly stimulating and enriching for all participants involved.

Video Proceedings

Continuing with the 'Live Knowledge at Web' format, IAAM has taken a significant step by publishing all the lectures and presentations presented during AMWeb in its official open-access video proceedings journal, known as the 'Video Proceedings of Advanced Materials.' This publication process involves a rigorous peer-review procedure to ensure the quality of content. As a result, IAAM has established one of the most extensive cloud platforms for scientific knowledge and lectures.

This journal is published in the open-access format, making it readily available to students and researchers worldwide. It serves as a valuable resource accessible to individuals around the globe, further promoting the dissemination of knowledge in the field of advanced materials.

Online LIVE and WebEvents

The International Association of Advanced Materials has been at the forefront of pioneering online (both LIVE and On-demand) hybrid WebEvents in the fields of Science, Engineering, and Technology. These events are designed to maximize accessibility and enable individuals from all backgrounds to immerse themselves in the realm of scientific advancements, global networking, and education.

In its innovative journey, IAAM has introduced various online event formats like WebConferences, WebSymposia, and WebSchools, hosted on a virtual campus. These online platforms are crucial for engaging students, educators, researchers, and policymakers in R&D activities. They play a key role in developing future scientists and technologists, offering participatory opportunities for young researchers and early career faculty in science and technology advancement.

Knowledge Experience at Sea™

In addition to the exceptional quality of discussions and the presence of world-class delegates, what truly distinguishes IAAM events and conferences is their distinctive 'Knowledge Experience at Sea' format. Every IAAM event and conference is uniquely hosted on a cruise, offering delegates a voyage filled with scientific exploration and knowledge. This unparalleled and unprecedented experience provided to attendees sets IAAM apart as a benchmark for organizations operating in the advanced materials field.

Submit Event Proposals

Meetings & Events

To promote collaboration and scientific advancements, IAAM events and conferences offer an international platform for the widespread dissemination of recently emerged advanced research in the interdisciplinary fields of science, engineering, and technology. At these multidisciplinary conferences, research professionals from academia and industry come together to exchange knowledge and network. The IAAM business council allows industry giants to present their innovative products, gain invaluable insights, and develop partnerships. With its multiple forums, IAAM facilitates global networking and partnerships, providing opportunities for students and young researchers to shape their work.

Call for Event Proposals

The International Association of Advanced Materials (IAAM) encourages individuals, organizations, and industries to organize thematic sessions, symposia, or host assemblies of the Advanced Materials Congress, Baltic Conference Series, World Congress Series, as well as Online/LIVE Conferences and WebCongress events. IAAM invites proposals to host and co-host its upcoming meetings and events.

Submit Proposal

The IAAM invites researchers, academic institutions, industries, non-profit organizations, and policymakers to host its events, symposiums, and conferences, contributing to the greater cause of advancing materials for societal betterment. Researchers are encouraged to submit their proposals for organizing thematic sessions and symposia at upcoming gatherings of the Advanced Materials Congress, Baltic Conference Series, World Congress Series, and WebCongress.

To organize thematic sessions and symposia or to host upcoming IAAM events, please download the Event Proposal Template from the website and submit it in the prescribed format via email: **coordinator@advancedmaterialscongress.org**

How to get involved with IAAM events?

IAAM is seeking proposals for thematic sessions and symposia for its upcoming events and assemblies. Please submit your proposal and nominate researchers who may be eligible to serve as invited speakers, session chairs, or co-chairs. Include their updated CVs and send them to **coordinator@advancedmaterialscongress.org** for evaluation.

www.iaamonline.org/call-for-events-proposals

Preview of Previous Conferences

- The IAAM conference facilitates connections among students, emerging researchers, established scientists, industry leaders, policymakers, and government officials to discuss the progress of materials toward global excellence.
- The IAAM organizes premier events like the Advanced Materials Congress, Baltic Conference Series, Fellow Summit, International Conclaves, and World Conference Series.
- The conference assemblies establish global consortia that promote translational research and innovation, bridging the gap between academic and industrial sectors through R&D World Links.
- They have showcased exceptionally interdisciplinary international forums in the advanced and evolving fields of materials science, engineering, and technology.
- Recognized as a premier global conference, it emphasizes inclusivity and accessibility, offering a hybrid format of onsite, online, and on-demand sessions in advanced materials science, engineering, and technology.
- Future assemblies of the Advanced Materials Congress will focus on the theme of “Advancing Materials for a Sustainable and Green World”.
- **As of December 2023, the Advanced Materials Congress has successfully hosted around 60 assemblies, fostering the development of advanced materials in both academic and industrial realms.**
- **The congress has hosted approximately 25,000 delegates from over 125 countries, featuring more than 10,000 plenary sessions, keynotes, and invited talks from over 4,500 leading organizations.**
- **The AMC has seen participation from over 12,000 young scientists and roughly 14,000 women researchers.**
- **It has introduced dynamic and interactive formats, including Knowledge Experience at Sea/ at Campus/ at Nature and Live Knowledge at Web.**
- **AMC provides a comprehensive global network, offers access to essential resources, and opens avenues for significant long-term collaborative opportunities.**

Yearly Events Reports

Over its 15 years, the International Association of Advanced Materials has celebrated remarkable achievements with each Congress assembly hosted globally. In 2011, IAAM launched the 'Advanced Materials Congress' (AMC), initially starting in Asia. The inaugural AMC assembly, held at Jinan University, China, was a resounding success. These AMC assemblies have been successfully conducted across major continents under the unique theme of 'Knowledge Experience at Sea/ at Campus/ at Web/ at Nature,' each characterized by a principal commitment to inclusivity, featuring Onsite-Online-On-demand Hybrid Setups in the realms of Advanced Materials Science, Engineering, and Technology. Distinguished experts from the global advanced materials science community have enriched these events with their participation. Focused on specific areas of advanced materials, the conferences have been structured into multiple sessions, achieving and surpassing their set goals. This has been a pivotal step for IAAM in its journey, laying a strong foundation for a groundbreaking future. Consequently, the organization has solidified its reputation in the materials science community, signaling a bright and influential path ahead.

IAAM Conferences 2011 - 2015

During its early stages, the International Association of Advanced Materials witnessed swift expansion and notable advancements in establishing its global network. Despite being relatively new to the materials community, IAAM quickly made substantial progress in building a worldwide activities. The organization focused on driving the advancement of materials to international prominence. Between 2011 and 2015, IAAM not only established its reputation but also emerged as a key organisation in the materials community. During this period, IAAM hosted several international flagship events under name of Advanced Materials Congress. These events significantly raised global awareness and understanding of materials science, engineering and technology. The success of these early, interdisciplinary conferences allowed

IAAM to quickly become a well-recognized international platform. This platform brought together researchers, scientists, and industry professionals worldwide, fostering an environment for sharing ideas and presenting research to peers. The international conferences organized by IAAM from 2011 to 2015 are noteworthy for their impact and scope.

Advanced Materials World Congress | 13-16 May 2011, China

Conference Chairs: Xin Cheng, Alaa Abd-El-Aziz, Songjun Li and Ashutosh Tiwari

The inaugural Advanced Materials World Congress, the first international conference in materials science and technology hosted by the International Association of Advanced Materials, marked a significant milestone. This three-day global event, organized from 13 to 16 May 2011 in collaboration with Jinan University in China, was a pivotal moment for the Association, firmly establishing its presence in the global materials science and technology arena. The event drew widespread attention, attracting around 1200 delegates from various parts of the world.

International Conference on Nanomaterials and Nanotechnology

18 - 21 December 2011, India | **Conference Chairs:** Anthony PF Turner, Hisatoshi Kobayashi and Ashutosh Tiwari

The International Conference on Nanomaterials and Nanotechnology, a four-day global event, was successfully hosted by the University of Delhi, India, from 18 to 21 December 2011. Organized by the International Association of Advanced Materials, the interdisciplinary conference aimed to establish a platform for discussing high-tech materials and to catalyze their manufacturing, particularly in India. The event was a notable success, drawing over 2000 attendees including researchers, professionals, scientists, and business leaders from around the world. The conference's significance was heightened by the caliber of its delegates, which led to a wealth of ideas and greatly enhanced awareness within the local materials science community. It featured 64 sessions, about 1800 invited talks, plenary lectures, pitch talks and numerous presentations, all contributing to its impactful and successful run.

Advanced Materials World Congress | 16 - 19 September 2013, Turkey

Conference Chairs: Anthony PF Turner, Hisatoshi Kobayashi, Mustafa Guden and Ashutosh Tiwari

The Advanced Materials World Congress, hosted by the Izmir Institute of Technology, was held in the scenic coastal town of Cesme, Turkey, from 16-19 September 2013. The conference garnered significant attention, receiving around 600 abstract submissions. It featured four plenary sessions and approximately 130 invited talks presented by renowned scientists from various parts of the world. AMWC 2013 was marked by its extensive scope, with as many as ten parallel sessions encompassing a wide range of topics and fields. These included Polymers, Biomaterials, Energy Harvesting materials, Energy-Transfer materials, Optical and Electronic materials, Magnetic materials, Structural materials, Composite materials, Constructional materials, Nanomaterials, and Environmental and Green materials, highlighting the congress's diverse and comprehensive coverage of advanced materials research.

Advanced Materials World Congress | 23 - 26 August 2015, Sweden

Conference Chairs: Anthony PF Turner, Hisatoshi Kobayashi and Ashutosh Tiwari

The Advanced Materials World Congress, a four-day international gathering, was held from 23 to 26 August 2015, featuring the pioneering Knowledge Experience Sea™ conference format organized by IAAM. The congress was designed to serve as an ideal stage for researchers and engineers from both academia and industry worldwide, enabling them to showcase their findings in materials science and technology. Drawing around 400 delegates from across the globe, AMWC 2015 was distinguished by its comprehensive program. It included 26 sessions, four parallel symposiums, and three poster sessions. The congress was enriched with 3 plenary talks, 26 keynote lectures, 22 invited lectures, and 135 oral presentations, alongside various other events, reflecting its extensive and diverse range of scientific discourse and networking opportunities. Additionally, in conjunction with the Advanced Materials World Congress, IAAM organized four parallel symposiums. These included the European Graphene Forum, the Biosensors and Bioelectronics Symposium, the Smart Energy Technologies symposium, and the World Technology Forum.

IAAM Conferences 2016

International Conference on Materials Science and Technology

01 - 04 March 2016, India | **Conference Chairs:** Hisatoshi Kobayashi, Gurmeet Singh and Ashutosh Tiwari

The International Association of Advanced Materials hosted the International Conference on Materials Science and Technology (ICMTech 2016) from 1st to 4th March 2016 in India. This four-day international conference, organized in association with the University of Delhi, featured 43 sessions and two parallel symposiums. The event included 7 plenary talks, 68 invited lectures, 613 oral presentations, and 437 poster presentations from participants representing 30 countries. The main objective of ICMTech 2016 was to establish a worldwide platform for discussing high-tech materials and to promote their manufacturing.

European Advanced Materials Congress | 23 - 25 August 2016, Sweden

Conference Chairs: Anthony PF Turner, Hisatoshi Kobayashi and Ashutosh Tiwari

The European Advanced Materials Congress took place in Stockholm, Sweden, from 23 to 25 August 2016. EAMC 2016 featured an extensive program with 25 sessions, comprising 178 talks and 35 poster presentations. In addition to a wealth of invited lectures, plenary sessions, oral presentations, and poster displays, the International Association of Advanced Materials also hosted four parallel symposiums during the conference.

- Global Graphene Forum
- Smart Energy Technologies
- Biosensors and Bioelectronics Symposium
- World Technology Forum

American Advanced Materials Congress | 04 - 09 December 2016, Miami, USA

Conference Chairs: Anthony PF Turner, Hisatoshi Kobayashi, Rosario Gerhardt and Ashutosh Tiwari

The International Association of Advanced Materials held the first American Advanced Materials Congress from 4 to 9 December 2016 in Miami, USA. This six-day international event was designed to stimulate the growth and development of the materials community across the American continent. Alongside the main program of the congress, several symposiums were conducted concurrently, focusing on various specialized topics within the field.

- American Graphene Forum
- Biosensors and Bioelectronics Symposium
- Smart Energy Technologies

The American edition of the AMC 2016 featured 14 sessions, encompassing 83 talks and 24 poster presentations. Overall, 2016 marked a significant year for IAAM, as it reached new milestones and established a foundation for continued growth and success in the future.

IAAM Conferences 2017

2017 was a landmark year for the International Association of Advanced Materials, surpassing its objectives and successfully hosting four international assemblies of its flagship event, the Advanced Materials Congress. These conferences, held across Asia and Europe, drew around 2500 participants including scientists, researchers, students, professionals, business executives, and others from approximately 100 countries worldwide, significantly enhancing IAAM's global impact and reach.

International Conference on Nanomaterials & Nanotechnology | 1 - 3 March 2017, India

Conference Chairs: Rajeev Ahuja, Rajendra Kumar Tiwari, Hisatoshi Kobayashi, Mikael Syvajarvi, and Anand S. Khati

The International Association of Advanced Materials hosted the International Conference on Nanomaterials and Nanotechnology from 1st to 3rd March 2017. This three-day international event, held to create a global stage for discussing high-tech materials and their manufacturing, particularly focused on India. The conference attracted a diverse group of attendees, including researchers, students, professionals, and business executives from around 50 countries, fostering a wide-reaching platform for collaboration and knowledge exchange.

Asian Advanced Materials Congress | 11 - 16 March 2017, Singapore

Conference Chairs: Hisatoshi Kobayashi, Anthony PF Turner, and Ashutosh Tiwari

The inaugural Asian Advanced Materials Congress was held from 11 to 16 March 2017, a six-day international event designed to enhance and broaden understanding of advanced materials and related disciplines within Asia's materials science community. The congress saw participation from about 40 countries worldwide. The Asian AMC 2017 featured 14 sessions, which included 62 talks and 15 poster presentations. Alongside the main congress, IAAM also organized the Asian Graphene Forum, focusing on this cutting-edge material. Additionally, the Biosensors and Bioelectronics Symposium was established, providing attendees with a dedicated platform to delve into the significant and rapidly evolving fields of biosensors and bioelectronics.

European Advanced Materials Congress | 22 - 24 August 2017, Sweden

Conference Chairs: Zhong Lin Wang and Ashutosh Tiwari

The European Advanced Materials Congress, hosted by the International Association of Advanced Materials, took place in Sweden from 22 to 24 August 2017. EAMC 2017 attracted a remarkable 1016 abstracts from 92 countries and featured 37 sessions with over a hundred presentations. The congress stood out as a truly interdisciplinary event, covering a wide array of topics including Composite and Ceramic Materials, Energy and Harvesting Materials, Computational Materials, Nanomaterials and Nanotechnology, Structural Materials, Constructional and Engineering Materials, Optical, Electronic, and Magnetic Materials, Environmental and Green Materials, among others. This diversity highlighted the congress's comprehensive approach to the various aspects of advanced materials.

Baltic Conference Series | 08 - 11 October 2017, Sweden

Conference Chairs: Ashutosh Tiwari and Ruediger Ballas

In 2017, the International Association of Advanced Materials successfully launched the inaugural Baltic Conference Series in Sweden, held from 8 to 11 October. This event was designed as a platform to discuss the latest advancements in nanomaterials and nanotechnology, along with various other interdisciplinary areas. BCS 2017 featured 2 plenary sessions and 10 parallel sessions, including 4 plenary talks, 28 invited lectures, 20 oral presentations, and 23 poster presentations, complemented by a welcoming and IAAM felicitation ceremony. The conference effectively created a comprehensive forum, showcasing the newest trends in translational research, innovations, and technology across a broad spectrum of fields.

IAAM Conferences 2018

2018 was a year of exceptional achievements for the International Association of Advanced Materials. Surpassing all its set goals, the association organized an impressive nine international assemblies of its flagship event, the Advanced Materials Congress, across Asia and Europe. These events were attended by approximately 2000 scientists, students, and business executives from over 80 countries, showcasing their highly interdisciplinary nature and wide-reaching impact.

Advanced Materials World Congress | 05 - 08 February 2018, Singapore

Conference Chairs: Hisatoshi Kobayashi, Mikael Syvajarvi and Ashutosh Tiwari

The International Association of Advanced Materials hosted the Advanced Materials World Congress in Singapore from 5th to 8th February 2018. This conference was tailored to create a global platform where researchers and engineers from both academia and industry could showcase their research findings and innovative ideas in the realm of materials science and technology. AMWC 2018 received a substantial response with 818 abstract submissions. The conference comprised 06 plenary and 04 keynote talks, 45 invited lectures, 89 oral presentations, and 50 poster presentations, spread across 15 sessions. Highlighting the event were the welcome and farewell receptions and the IAAM felicitation ceremony. These functions were attended by a diverse group of participants, including scientists, researchers, business executives, students, and technocrats from 71 countries, all uniting to celebrate the advancements and achievements in the field of materials science.

European Advanced Energy Materials Congress | 25 - 28 March 2018, Stockholm, Sweden

Conference Chairs: Ashutosh Tiwari, Candida Milone, Byungwoo Park, Lifeng Liu and Iwan Kityk

The Advanced Energy Materials Congress took place in Stockholm, Sweden, from March 25 to 28, 2018. AEMC 2018 gathered leading academics and industry professionals in the field of advanced energy materials and technology. The congress received a remarkable 521 abstracts and featured 2 plenary sessions, 7 keynote talks, and 63 invited lectures, along with approximately 100 oral and poster presentations across 30 sessions. The event, including the welcome and IAAM felicitation ceremony, was attended by scientists, researchers, business executives, students, and technocrats from 59 countries, uniting a global community in a comprehensive celebration of advancements in materials science.

Baltic Conference Series | 14 - 17 May 2018, Stockholm, Sweden

Conference Chairs: Ashutosh Tiwari, Nathalie Vermeulen and Katarina Kneck

In May 2018, from the 14th to the 17th, the International Association of Advanced Materials held its second Baltic Conference Series (BCS) in Stockholm, Sweden. This conference aimed to establish a global interdisciplinary forum for professionals from academia and industry involved in carbon materials and technology, plastics, rubber, epoxy, resins, as well as pulp, paper, and wood technology. Participants included researchers, educators, technocrats, students, and engineers, all presenting their research findings, innovations, and ongoing projects. The BCS 2018 received 188 abstracts and featured 8 keynote talks, 27 invited lectures, 32 oral presentations, and 13 poster presentations across 10 parallel sessions. The event, which included welcome receptions and the IAAM felicitation ceremony, was attended by individuals from 47 countries, celebrating the advancements in materials science.

Composite Materials Congress | 03 - 06 June 2018, Stockholm, Sweden

Conference Chairs: Romana Ewa Sliwa and Kenneth Golden

From June 3 to 6, 2018, the International Association of Advanced Materials hosted the Composite Materials Congress and the Bioelectronics Symposium. These events attracted members from academia and industry, all with a background in advanced materials research. The AMWC 2018 saw the submission of 222 abstracts and featured 8 keynote talks, 26 invited lectures, as well as oral and poster presentations across 11 sessions. The assembly drew scientists, researchers, business executives, students, and technocrats from 43 countries.

European Advanced Materials Congress | 20 - 23 August 2018, Sweden

Conference Chairs: Leon Shaw, Motoichi Ohtsu

The European Advanced Materials Congress 2018, held from August 20 to 23, centered on the theme "Translational Research and Innovation Blending Academic and Business Perspectives: Advancing the Materials for New Age Technology." This theme emphasized the crucial integration of scientific and industrial approaches for global excellence. The congress witnessed participation from delegates across over 60 countries and featured 35 thematic sessions, including 15 keynote talks, 135 invited lectures, and a variety of oral and poster presentations.

Advanced Materials Congress | 03 - 06 September 2018, Sweden

Conference Chairs: Thomas Krause and Claudio Scarponi

The 21st Advanced Materials Congress took place from September 3 to 6, 2018, in Stockholm, Sweden. The congress's theme, "A substantial move towards the New Age Innovation and Technology - Bridging Sensor, Actuator, Polymer, and Thin Films," showcased the synergy between scientific research and industry, crucial for societal progress. Attracting 216 abstracts from 41 countries, the event included 26 keynote and invited lectures, alongside a series of oral and poster presentations across 11 sessions. The conference focused on addressing the industry and market challenges prevalent in this sector.

Baltic Conference Series | 09 - 12 October 2018, Sweden

Conference Chairs: Kalaas Poelstra and Yoshihiro Ito

The 3rd BCS was a comprehensive forum organized during 09 - 12 October 2018 to discuss the recent trends of advancement of nanomaterials and nanotechnology along with the deep insight into drug delivery and nanomedicine, especially in the field of translational research, innovations, and technology for market. The BCS 2018 received 340 abstracts from 46 countries. It was ran with 15 keynote talks & 73 invited lectures, series of oral and poster presentations in the 23 sessions. The theme, “A substantial move towards medical innovations and nanotechnology”, explored the recent development and discoveries in the respective field of nanotechnology and nanomedicine.

Advanced Energy Materials Congress | 04 - 07 November 2018, Sweden

Conference Chairs: Ashutosh Tiwari, Shibin Wang and Kenji Sakai

The 23rd Advanced Materials Congress, marking the inaugural assembly of the World Congress Series, was held in Stockholm, Sweden, the city renowned for the Nobel Prize, from November 4 to 7, 2018. This assembly fostered collaboration across three key research areas: Energy, Catalysis, and Plasma, opening new avenues for translational research into the market. The congress, which received 141 abstracts, featured 26 keynote and invited lectures, along with a series of oral and poster presentations across 10 thematic sessions. The event,

including welcome receptions and the IAAM felicitation ceremony, was attended by a diverse group of scientists, researchers, business executives, students, and technocrats from 38 countries, highlighting its global impact.

The theme "A significant move towards translational research, innovations, and technology" offered a platform to bridge the gap from "laboratory to end users," focusing on research and practices that facilitate the practical application of scientific discoveries.

World Congress Series | 10 - 13 December 2018, Sweden

Conference Chairs: Ashutosh Tiwari and Luisa Gomz-Sainero

The 24th Advanced Materials Congress, as part of the 2nd Assembly of the World Congress Series, took place in Stockholm, the city of the Nobel Prize, from December 10 to 13, 2018. This assembly created an interdisciplinary forum bridging chemistry and quantum physics, fostering new academic and market frontiers. Attracting abstracts from 22 countries, the event featured 26 keynote and invited lectures, alongside a multitude of oral and poster presentations across 10 thematic sessions. Emphasizing the theme "A substantial move towards the new age innovations and technology," the congress spotlighted progress in "commercializing translational research and innovations," marking its status as a truly global event.

IAAM Conferences 2019

2019 was a notably successful year for the International Association of Advanced Materials. Consistent with its annual progress, the organization expanded its global membership and network, surpassing its set goals for the year. During this time, IAAM successfully organized seven international conferences across various locations worldwide.

Silver Jubilee Assembly of Advanced Materials Congress | 24 - 27 March 2019, Sweden

Conference Chairs: Ashutosh Tiwari, Nicola Daldosso, Peisheng Xu and Fabiana Zama

The International Association of Advanced Materials celebrated a significant milestone with the silver jubilee of its flagship event, the Advanced Materials Congress. This notable conference was held in Stockholm, Sweden, from March 24 to 27, 2019. Marking its 25th edition, the congress focused on integrating three contemporary research fields: Advanced Functional Materials, Spectroscopy, and Electrochemistry, showcasing the IAAM's commitment to fostering interdisciplinary collaboration in material science research.

The congress attracted 341 abstracts from 50 countries, leading to a rich agenda of 96 keynote and invited talks. It comprised 28 thematic sessions, featuring a variety of oral and poster presentations. The event also included a welcome ceremony and an IAAM felicitation ceremony, highlighting its comprehensive and global scope.

Baltic Conference Series | 14 - 16 May 2019, Sweden

Conference Chairs: Ashutosh Tiwari, Masoud Mojtahed, Kei Ohkubo and Shaocai Yu

The fourth edition of the Baltic Conference Series, organized by IAAM, took place from May 14 to 16, 2019. Centered around the theme "A substantial move towards the commercialization of Translational research to market," the conference aimed to spotlight the transition of research into industrial applications. The 4th BCS drew 149 abstracts from 31 countries and included 17 keynote and invited talks. The congress was structured into 10 thematic sessions, encompassing a range of oral and poster presentations, along with a welcome ceremony and an IAAM felicitation ceremony. This highly interdisciplinary event focused on coordinating seven contemporary research areas: Water Technology, Carbon Materials & Technology, Epoxy & Resins Technology, Plastics & Rubber Technology, Pulp & Paper Technology, Wood Technology, and Chemical Technology.

Composite Materials Congress | 10 - 13 June 2019, Sweden

Conference Chairs: Ashutosh Tiwari, Li-Qiong Wang and Andrea Bernasconi

The 26th assembly of the Advanced Materials Congress, organized by the International Association of Advanced Materials, was held in Stockholm, Sweden, the city of the Nobel Prize, from June 10 to 13, 2019. This edition of the AMC received a notable 349 abstracts from 50 countries and featured 66 keynote and invited talks. The congress included 22 thematic sessions with a range of oral and poster presentations, complemented by a welcome ceremony and an IAAM felicitation ceremony. This AMC assembly represented a significant convergence of three contemporary research fields in advanced materials science and technology: Composite Materials, Graphene and 2D Materials, and Biosensors and Bioelectronics.

The conference theme was designated as "The multi-inter-trans-disciplinary research, innovations, and technology," emphasizing the recent advancements in translating research into practical industrial applications. This assembly received an impressive 349 abstract submissions, showcasing a wide range of innovative ideas and developments.

European Advanced Materials Congress | 11 - 14 August 2019, Sweden

Conference Chairs: Ashutosh Tiwari, Cristina Satriano, Nicolas Berton, Herbert Pfnuer

The 27th assembly of the Advanced Materials Congress (AMC), organized by IAAM, took place from August 11 to 14, 2019, in Stockholm, Sweden. This event provided a distinguished platform for emerging researchers to connect with renowned scientific leaders. The assembly received 393 abstracts from 50 countries and featured 95 keynote and invited talks. It included 28 thematic sessions with various oral and poster presentations, a welcome ceremony, and an IAAM felicitation ceremony. Additionally, the assembly saw the release of the December 2019 issue of Advanced Materials Letters. **A highlight was the recognition of Prof. Enge Wang, Vice President of the Chinese Academy of Sciences and President Emeritus of Peking University, China, as the Researcher of the Year for his significant contributions to atomistic research in the advanced materials field.** The event also provided an opportunity for representatives of prestigious companies to showcase their advancements. The assembly effectively integrated three key research areas: Advanced Materials, Analytical Methods & Spectroscopy, and Archaeology & Cultural Heritage.

European Advanced Energy Materials & Technology Congress

09 - 11 October 2019, Sweden **| Conference Chairs:** Ashutosh Tiwari, Jingliang Li, Hongbo Duan

The October 2019 edition of the Advanced Materials Congress (AMC), hosted by IAAM, was held from October 9 to 11, 2019, in Stockholm, Sweden. This edition centered on key research areas: Advanced Nanomaterials, Graphene, and Energy Materials and Technology. It featured 3 joint complimentary events encompassing 11 thematic sessions. The AMC assembly attracted 110 abstracts from 36 countries, and included a series of profound keynote and invited talks, showcasing a wide array of perspectives and advancements in these fields.

The congress was conductd with a series of oral & poster presentations, a welcome ceremony, and an IAAM felicitation ceremony.

Asian Advanced Materials Congress | 31 October - 04 November 2019, Singapore

Conference Chairs: Herbert Gleiter, Manoj Gupta, and Masanori Okuyama

The 30th assembly of the Advanced Materials Congress (AMC), known as the Asian AMC, was held in Singapore. This congress aimed to enhance and broaden the understanding of Advanced Materials across the Asian continent. It focused on coordinating six contemporary research areas: Advanced Materials, Sensors & Actuators, Catalysis Science, Engineering & Technology, Energy Storage Technology, Metallic Alloys and Composites, and High Entropy Alloy in Defence Systems. The assembly received 230 abstract submissions and featured 42 keynote and invited talks. The congress included 16 thematic sessions with a variety of oral and poster presentations, along with a welcome ceremony and an IAAM felicitation ceremony. The event attracted hundreds of delegates from 38 different countries, reflecting its significant international impact.

American Advanced Materials Congress | 08 - 13 December 2019, USA

Conference Chairs: Kohji Tashiro, Christophe Donnet, Yi Lung Mo and Elisabeth Eppard

The American Advanced Materials Congress marked IAAM's inaugural venture into the American continent. This 31st assembly of the Advanced Materials Congress took place in Orlando, USA, from December 8 to 13, 2019. Attended by world-renowned polymaths, researchers, academicians, scientists, and other IAAM members, the congress delved into various research areas including Advanced Materials, Quantum Science and Technology, Drug Delivery and Tissue Engineering, and Membrane Science, Engineering, and Technology. The assembly received 150 abstracts and featured 30 keynote and invited talks. It consisted of 11 thematic sessions, along with oral and poster presentations, a welcome ceremony, and an IAAM felicitation ceremony. The event was a global gathering, drawing delegates from 36 countries worldwide.

Conferences in 2020

By the close of 2019, the International Association of Advanced Materials had successfully organized 31 assemblies of the Advanced Materials Congress globally. The association brought its flagship conference to various continents, including North America, Asia, and Europe. Across these conferences, IAAM hosted over 16,000 distinguished researchers, scientists, and business executives from around 120 countries. The conferences featured more than 1000 thematic sessions covering a broad spectrum of topics in advanced materials. As IAAM entered a new decade, it also celebrated fifteen years of the Advanced Materials Congress. However, following the AMC assembly in Australia, the onset of the COVID-19 pandemic led to the postponement of IAAM events or their transition to an online LIVE format.

Advanced Materials World Congress | 02 - 05 February, 2020, Australia

Conference Chairs: Ashutosh Tiwari, Yinon Yavor, Frank Otremba and Olivera Sauperl

In 2020, the International Association of Advanced Materials began the year by extending its reach to Australia, hosting the Advanced Materials Congress there for the first time. The Advanced Materials World Congress took place in Sydney, Australia, from February 2 to 5, 2020. This 32nd assembly marked a significant start for IAAM in the new decade, featuring eight thematic sessions with 19 keynote and invited lectures by distinguished scientific leaders. The congress attracted a diverse group of renowned professionals from 39 countries, turning it into a vibrant showcase of materials science and technology. Special thanks were extended to all the scientific committee members and Prof. Prasad KDV Yarlagadda of Queensland University of Technology, Australia. The conference served as an interdisciplinary forum, covering a wide range of subject areas in the field.

Conferences in 2021

Energy Materials Conference | 11 - 13 August 2021, Sweden

Conference Chairs: Leon Shaw, Maria Helena Braga and Jim Zheng

The 40th assembly of the Advanced Materials Congress marked the opening of the prestigious Energy Materials Congress, hosting esteemed delegates in an Online LIVE conference from August 11 to 13, 2021. This 40th AMC assembly received 33 abstracts from 12 countries. The conference featured 8 thematic online sessions, including 14 keynote and invited lectures, as well as a series of oral presentations and a welcome ceremony. These sessions were chaired by 16 experts from both academia and industry. Adding to the event's significance, the congress included a Round Table Discussion on Innovation and European Green, in association with IAAM, Sweden. A key highlight of EMC 2021 was its interdisciplinary sessions, specifically devoted to IAAM's young and women researchers. These sessions provided a platform for them to present their research to a global audience of experts, receiving feedback and encouragement.

European Advanced Materials Congress | 23 - 25 August 2021, Sweden

Conference Chairs: Guenter Schmid, Jurgen Eckert, Shigehiro Hashimoto and Yuan Chen

The 41st assembly of the Advanced Materials Congress (AMC), the European assembly, took place from August 23 to 25, 2021, in Sweden. This versatile event combined onsite, online LIVE, and on-demand formats. The congress featured 17 thematic sessions with contributions from over 25 countries, including 45 keynote and invited lectures, alongside a range of oral and poster presentations, and a welcome ceremony. Online sessions were chaired by 25 experts from academia and industry, while 15 experts chaired the onsite sessions.

A significant part of the EAMC was the IAAM Fellow Summit, dedicated to advancing knowledge in the field of advanced materials, next-generation technologies, and innovation to support new research in the study, development, and utilization of materials tools. The congress also included an Open Round Table Discussion during Onsite Session 4. Furthermore, the assembly acknowledged the achievements of professionals in advanced materials, conferring the title Fellow of IAAM, a prestigious distinction recognizing significant contributions to global excellence in the field.

Advanced Nanomaterials Congress | 24-27 October 2021, Sweden

Conference Chairs: Jian Liu, Gauthier Lefevre, Biaolin Peng and Laurent Sagalowicz

The 42nd assembly of the Advanced Materials Congress, known as the Advanced Nanomaterials Congress, was held online from October 24 to 27, 2021. This AMC-Nano event was part of the Advanced Materials Lecture Series and included topics like the Global Graphene Forum, Advanced Energy Materials & Technology, Nanogenerator & Piezotronics, and Nano glasses. It focused on advancements in materials science, engineering, and technology for study, development, and application to end-users. The event saw active participation from 35 countries across major continents.

The congress spanned over 30 hours and included 17 thematic sessions, an opening/closing ceremony, a poster session, and a symposium on innovations and knowledge transfer, all chaired by 35 experts from academia and industry. A highlight of AMC-Nano was the announcement of the Researcher of the Year 2021, along with the Researcher of the Year Lecture delivered by Prof. Richard Spontak from North Carolina University, USA. Dr. Spontak's research focuses on enhancing the understanding of microstructural polymeric systems, which are important both for their scientific interest in soft self-assembling and their commercial applications in areas such as adhesives, (bio)compatibilizing agents, nanotemplates, and membranes.

International Conference on Translational Research and Innovation in Health, Energy, and Environment

27 - 28 October 2021, China | **Conference Chairs:** Qingyuan Wang and Ashutosh Tiwari

The International Conference on the Translational Research and Innovation in Health, Energy, and Environment took place at Chengdu University's Academic Exchange Center. Jointly hosted by Chengdu University and the International Association of Advanced Materials, this two-day conference brought together 21 experts and scholars from renowned research institutions and universities across 9 countries: China, Sweden, Germany, the UK, Japan, the USA, India, Turkey, and Spain. The event was conducted in a hybrid format, with participants joining both online and offline.

IAAM Conferences 2022

Composite Materials Congress | 05 - 12 March 2022, UAE

Conference Chairs: Ashutosh Tiwari, Waqar Ahmad, Roger Ruan, Christophe Drouet, and David Lewis

The Composite Materials Congress was held at Abu Dhabi University, UAE, from March 5 to 12, 2022, celebrating the 50th anniversary of the United Arab Emirates. This event featured both onsite and online hybrid setups, combining several significant aspects: 1) the Advanced Materials Lecture Series, 2) sessions and symposia on Composite Materials & Technology, and 3) initiatives for Competence and Capacity Building in Innovation Leadership. The congress received 352 abstracts from 36 countries and featured presentations from 122 experts.

Spanning over eight days, the congress comprised 27 thematic scientific sessions and an innovation consortium, amounting to 72 hours of content. This included keynote speeches, invited lectures, and a series of oral and poster presentations, alongside a welcome and an IAAM felicitation ceremony. Topics discussed spanned a broad range of fields including Composite Science, Energy, Biosensors, Polymers, Structural Engineering, Ceramics, Organic and Inorganic Materials, Electronics, Graphene, Hydrogen, Semiconductors, and Biodevices. These were all explored under the lens of green, functional, and smart materials, highlighting significant findings and identifying limitations in existing strategies towards achieving sustainable goals.

European Advanced Materials Congress | 25 June to 02 July 2022, Italy

Conference Chairs: Ashutosh Tiwari, Thomas Wong, Viktor Gribniak, and Luca Scotti

The 8th European Advanced Materials Congress was held in a unique Onsite and Online Hybrid format from June 25 to July 2, 2022. The onsite sessions took place aboard the floating Congress venue, the MSC Seaside, traversing three major European countries: Italy, Spain, and France. Meanwhile, online sessions were conducted from the IAAM head office in Sweden. The congress attracted 311 abstracts from 50 countries and featured 131 talks from 45 countries across all five continents.

Spanning eight days, the congress included 24 thematic sessions totaling 49 hours. These sessions encompassed advanced materials lectures and a variety of oral and poster presentations, along with a welcome

and an IAAM felicitation ceremony. The onsite sessions uniquely continued while sailing from Genoa, Italy, on June 25, 2022, through several destinations including Civitavecchia/Rome, Palermo/Monreale, Cagliari/Sardinia in Italy, Palma de Mallorca/Balearic Islands and Valencia in Spain, Marseille/Provence in France, and returning to Genoa on July 2, 2022.

The congress covered a wide range of topics such as Nanotechnology, Catalysis, Structural Engineering, Composites, Energy, Biomaterials, Polymers, Ceramics, Electronics, Hydrogen, Semiconductors, and Innovation in Buildings and Devices. Discussions were framed within the context of net-zero, climate-neutral, functional, smart, and green materials, reflecting a broad spectrum of contemporary scientific inquiry and technological innovation.

European Assembly of Advanced Materials Congress | 28 - 31 August 2022, Sweden

Conference Chairs: Ashutosh Tiwari, Kamal Youcef-Toumi, Thomas Krause, and Claudia Riccardi

The congress was held in a unique Onsite and Online LIVE Hybrid format. The onsite sessions took place aboard the M/S Gabriela, Viking Line, at its Conference Center, during a voyage from Stockholm, Sweden to Helsinki, Finland, and back, from August 29 to 31, 2022. Simultaneously, the online sessions were conducted from the IAAM head office in Ulrika, Sweden. This event attracted a significant number of 442 abstracts from 43 countries, with 213 experts delivering presentations.

Spanning four days, the congress consisted of 38 thematic sessions, amounting to 77 hours of content. This included advanced materials lectures, a variety of oral and poster presentations, a welcome ceremony, and an IAAM felicitation ceremony, offering a comprehensive and immersive experience in the field of advanced materials.

Furthermore, the simultaneous hosting of the Advanced Energy Materials & Technology Congress, Baltic Conference Series, and International Conference on Nanomaterials & Nanotechnology as parallel events created a unique opportunity for esteemed research organizations to showcase their R&D endeavors on a global stage, facilitating the exchange of valuable insights and fostering collaboration. Adding to the significance of the event, the congress featured the Nanoglass Symposium, aligning with the United Nations' declaration of the International Year of Glass. This symposium took place during the Online LIVE Session 17 on the third day, engaging all delegates in a comprehensive discussion. Overall, the congress represented a broad integration of the fields of materials science, engineering, and technology.

Advanced Materials World Congress | 11 - 14 October 2022, Sweden

Conference Chairs: Ashutosh Tiwari, Shinsuke Ifuku, Erwan Rauwel, and Maria Principe

The International Association of Advanced Materials hosted the Advanced Materials World Congress from October 11 to 14, 2022, utilizing both Onsite and Online LIVE Hybrid Setups. The onsite sessions were conducted at the Conference Center of M/S Gabriela, Viking Line, on a route from Stockholm to Helsinki and back. The congress received 308 abstracts from 28 countries and featured 135 talks representing all five continents. It comprised 27 thematic sessions, which were chaired by 56 distinguished experts and spanned a total of 50 hours across four days. The congress included advanced materials lectures, a variety of oral and poster presentations, and incorporated both a welcome and an IAAM felicitation ceremony, enriching the experience in both onsite and online formats.

American Advanced Materials Congress | 29 October – 5 November 2022, USA

Conference Chairs: Dalia Chavez, Volker Sorger, Yang Chai and Vasco Bonifacio

The American Congress was established with the objective of harnessing expertise and knowledge crucial for developing innovative technologies aimed at fostering a climate-neutral society. The congress attracted 178 abstracts from 22 countries and featured 69 talks delivered across 15 thematic sessions. These sessions, which spanned a total of 35 hours over eight days, included advanced materials lectures and a range of oral and poster presentations. Both a welcome and an IAAM felicitation ceremony were part of the event, which was conducted in Onsite and Online LIVE hybrid formats, enhancing the scope and reach of the congress.

International Conference on Translational Research and Innovation in Health, Energy, and Environment

07 - 08 September 2022, China **| Conference Chairs:** Qingyuan Wang and Ashutosh Tiwari

The International Conference on Translational Research and Innovation (ICTRI) 2022 played a pivotal role in forging meaningful connections with top materials professionals from ten different countries. The conference showcased advancements in health, energy, and environmental sectors, featuring 45 speakers across 6 thematic sessions. These sessions covered a range of topics including Climate Neutral Technologies, Energy Innovation and Storage Technologies, Structural Engineering, Sustainable Materials Engineering, Composite &

Ceramic Materials Technology, and New Sustainable Technologies for Drug Development & Health Care, as well as Biomaterials and Biodevices. The 2nd assembly of ICTRI represented a harmonious blend of advanced materials, focusing on translational research and policy dimensions. This event was a collaborative effort organized by the International Advanced Materials Association and Chengdu University.

International Conclave on Materials, Energy & Climate | 12 - 14 December 2022, India

Conference Chairs: Rajendra Singh, Ashutosh Tiwari, Amita Dev, V.K. Vijay, Usha Mina, and Tanu Jindal

The IAAM was organized International Conclave on Materials, Energy & Climate (ICMEC), Delhi, India from 12 December to 14 December 2022. This conclave was organized with onsite and online hybrid setups, where onsite sessions were hosted at the Venue, Indira Gandhi Delhi Technical University for Women, Delhi, India, and the online sessions are conducted from IAAM's head office, Ulrika, Sweden. The conclave is organized under the aegis of Azadi Ka Amrit Mahotsav, the celebration of the 75th year of Indian independence, commemorating the legacy of Indian science, engineering, and technology for the advancement of materials, energy, and climate.

The conclave received 336 abstracts from as many as 19 countries and profoundly conducted 264 presentations from all five continents (America, Europe, Asia, Africa, and Australia). The conclave was runned with 36 thematic sessions of up to 58 hours in three days covering advanced materials lectures, a series of oral & poster presentations with a welcome and an IAAM felicitation ceremony. Prominent Indian and international scientists were honored for their remarkable achievements. This honor is bestowed upon the recipient in the form of the Diamond Jubilee Award, Diamond Jubilee Scientist Award & Medal, and Diamond Jubilee Young Scientist Medal. The findings of the conclave gave momentum to the idea of "one planet," "one environment," and "one family," according to India's Prime Minister Shri Narendra Modi Ji.

Specific sessions and panel discussions are organized to cover the topics of Water Conservation and Resource Management (Session 08), Smart Transportation and Electric Vehicles (Session 05), Translational Research and Innovation (Session 06), and Research, Education, and Innovation: Challenges, Opportunities, and Way Forward (Session 02). To further IAAM's mission of providing quality education to Indian students, the Memorandum of Understanding (MoU) was signed a with several prestigious institutions of the India.

IAAM is honored to co-host with Indira Gandhi Delhi Technical University for Women and Shoolini University, two research-focused, philanthropic universities. Also, grateful to Co-host & Supporting

Organizations, especially Amity University, Madan Mohan Malviya University of Technology, Lovely Professional University, Mahakaushal University, Invertis University, VBRI Innovation Centre, Path Finder, The Peoples University, Rani Durgavati Vishwavidyalaya, Vikram University, Mahakaushal University, Swami Vivekanand University, Budge Budge Institute of Technology, St. Joseph's College (Autonomous), KARPAGAM, Peoples World Commission Flood & Drought. IAAM believes in outstanding annual conclave events that allow everyone to be accessible and result in a sustainable environment for humans.

International Conclave on Materials, Energy & Climate |19-20 December 2022, Bangladesh

Conference Chairs: Md. Rafiqul Islam, Md. Nurnabi, Rajendra Singh, Ashutosh Tiwari, Md. Ashaduzzaman

The International Conclave on Materials, Energy & Climate, was a two-day international event organized by the IAAM in association with the Department of Applied Chemistry and Chemical Engineering, University of Dhaka, Bangladesh from **19 - 20 December 2022** at the **University of Dhaka, Bangladesh** with Onsite-Online Hybrid conference setups.

ICMEC was committed to discus the recent developments in the materials, energy, and climate toward green transitions. This conclave **Celebrated the 50th Anniversary of the Department of Applied Chemistry and Chemical Engineering, University of Dhaka, Bangladesh,** and discussed the global perspectives of climate-neutral deals for energy and materials.

IAAM Conferences 2023

United Nations (UN) 2023 Water Conference | 22 – 24 March 2023, New York, USA

Rajendra Singh, Ashutosh Tiwari, Ethan Hirsch-Tauber, Ruth DeFries

UN World Water Conference was organized at the United Nations headquarters in New York from March 22nd - March 24th 2023, and was inaugurated by His Excellency UN Secretary-General Antonio Guterres.

This 2023 UN Water Conference Side Event at New York was jointly organized by the International Association of Advanced Materials and People's World Commission on Drought and Flood. IAAM organised this **W119 side event, UN 2023 Water Conference** at Bronx Community College (BCC), City University of New York (CUNY), USA and Columbia University, USA. The side event program featured, published books, and water-themed films were premiered among the delegates.

United Nations | Department of Economic and Social Affairs
Sustainable Development

Climate Resilience: Addressing Drought and Floods

International Association of Advanced Materials, IAAM, Sweden (Non-governmental organization (NGO))
#SDGAction50056

The Side Event contributed to the thematic interactive dialogues **ID 3: Water for Climate, Resilience and Environment: Source to sea, Biodiversity, Climate, Resilience** and DRR (SDGs 6.5, 6.6, 7, 11, 5, 13, 14, 15). This side event in connection with the UN 2023 Water Conference assimilated the learning from different disciplines that covered various facets of water security. The event was aimed to discuss solutions that can be implemented in a coordinated and comprehensive manner to mitigate the effects of drought and flood. To discuss some important solutions like water management, flood protection, rainwater harvesting, climate-resilient agriculture, forest management, early warning system and climate adaptation.

The purpose of this side event was to bring together experts and practitioners from various fields to discuss the latest strategies and approaches for managing the complex challenges of drought and floods. The event provided a platform for sharing experiences, knowledge, and best practices in dealing with natural hazards and exploring ways to increase resilience and reduce vulnerability.

The event provided a unique opportunity for participants to learn from experts, exchange ideas and network with other professionals in the field. It also contributed to the advancement of knowledge and best practices in dealing with drought and floods and support the implementation of sustainable and effective drought and flood management policies and programs. Technical sessions and the panel discussion with the case studies was very impactful in fulfilling the objectives of the UN side event.

On the first day, 23 March 2023, a significant side event took place at the Bronx Community College (BCC), which is part of the City University of New York (CUNY). The event featured esteemed speakers such as Dr. Rajendra Singh, Chairman of PWCDF, and Dr. Ashutosh Tiwari, Secretary General of IAAM. The event was focused on the theme of sustainable growth, focusing on water rejuvenation, mitigation, and adaptation measures. Opening with warm introductions, welcome remarks, and appreciation from Dr. Thomas A. Isekenegbe, President of BCC-CUNY, Dr. Ashutosh Tiwari, and Prof. Paramita Sen, the event proceeded with a captivating keynote address by Dr. Singh. Among the notable speakers were Dr. Paramita Sen, Dr. Neal Phillip, and Dr. Naresh Devineni from the CUNY CREST Institute, V. Prakash Rao, Chairman of IPRBC, Zachary Weiss, Founder of Water Storeys, and Ethan Hirsch-Tauber, Founder of The Water Folk. The event also featured prominent individuals such as Dr. Martin Schoonen from Brookhaven National Laboratory, Dr. Dimitri Katehis from NYC Dept of Environmental Protection, and Dr. Dipak Gyawali, Commissioner of Himalayan Hindukush, Nepal. Sweta Jhunjhunwala, founder of Tulsipatra Foundation, Jalbiradari National Convener Satyanarayana Bolisetty, and Jalbiradari member Nagamani Bolisetty were also present, along with Dr Christopher Boxe from Howard University and Dr. Snehal Donde, Chairperson of SKECT. Shrikant Paygavhane from Mission 500, India, Rajesh Sundaresan from PWCDF, Sweden, and Nicholas Salazar Sutil, Director of Guardians Worldwide, added their valuable perspectives. Frederick Kincheloe of Savin Engineers, White Plains, USA, also brought his expertise to the event. The closing remarks were made by Dr. Reza Khanbilvardi, Executive Director of the CUNY CREST Institute. Gajendra Singh Shekhawat, MP, and Minister of Jal Shakti, India, and G. Asok Kumar, Director General of Namami Gange, India, commended the importance of sustainability, cooperation, and water security. The side event gathered around 20 scientific experts who provided credible testimony and engaged in discussions on water cycle mitigation, adaptation, and innovation.

On the second day, the side event took place at Columbia University on 24 March 2023, showcasing the growing importance of advanced materials in vital areas such as water cycle rejuvenation, energy, and the environment. These materials have become essential for the achievement of the Sustainable Development Goals set by the United Nations. The event featured a distinguished lineup of speakers, including Dr. Rajendra Singh, Chairman of PWCDF; Dr. Ashutosh Tiwari, Secretary General of IAAM; Prof. Mukand Singh Babel from the Asian Institute of Technology in Thailand; Jayesh Joshi, Founder of Vaaghdhara; Narendra Chugh, Convener of Maharashtra Jalbiradari; Ana Cristina Merino and Abhimanyu Tyagi, Presidents of SUMASA Board 2023, along other esteemed delegates. The session attracted more than 50 students and 100 external participants. Moderated by Sweta Jhunjhunwala, a SUMASA alumni and PWCDF advisor, the event began with an introduction followed by a public lecture by Dr. Rajendra Singh, focussing on water risks due to climate change. A Q&A session followed, and the event ended with UN delegates engaging in discussions with students and faculty from Columbia University. The delegations emphasised the importance of revitalising ecosystems and rejuvenating water cycles through global cooperation, including scientific collaboration, and aligning with

the 2030 #SDGs Agenda. They highlighted the importance of transboundary water initiatives, recognising water as the primary resource for human survival. Encouraged individuals to contribute to a sustainable future, they stressed the collective responsibility of each person. The event marked the release of three notable water-themed movies, namely Reviving River, Water is Peace and Resilience.

LINK: "UN-IAAM, Climate-resilience-addressing-drought-and-floods", accessed on 24 November 2023, https://sdgs.un.org/partnerships/climate-resilience-addressing-drought-and-floods

Advanced Composite & Functional Materials Congress | 27 - 30 April 2023, Orlando, USA

Conference Chairs: Ashutosh Tiwari, John J. Myers, Ramesh Agrawal

The 54th Assembly of Advanced Materials Congress was organized by the International Association of Advanced Materials (IAAM) in Orlando, USA from April 27 to 30, 2023. This was the 54th assembly of AMC, aims to foster cutting-edge technology and innovation towards a climate-neutral future. This American assembly brings together various congresses under one roof, including the **Advanced Functional Materials Congress, Composite Materials Congress, and Advanced Materials Lecture Series,** providing a unique hybrid experience.

The opening ceremony of the conference took place at onsite location, Orlando, USA in the congress venue. Ashutosh Tiwari, the Secretary General of IAAM and Director of the Institute of Advanced Materials in Sweden, delivered a welcome message to the delegates. He informed that **congress received 271 abstracts from 26 countries and will present 112 presentations from all five continents, covering 19 thematic sessions chaired by 39 renowned experts. The congress runs for four days, with 13 online and 06 onsite sessions, totaling 42 hours over different time zones.** Secretary IAAM, highlighted IAAM's support for Sustainable Development Goals and its recent accreditation in the United Nations for climate and water activities.

Following Dr. Tiwari's welcome message, Prof. John J. Myers, the Congress Chair and Director of the Missouri Center for Transportation Innovation, Missouri University of Science and Technology, USA, addressed the audience. Myers expressed his enthusiasm for the conference and spoke about the importance of materials science in advancing technology and driving innovation. During the opening of online live session, Conference Chair, Professor Ramesh Agarwal, The William Palm Professor of Engineering at Washington University in St. Louis & Flood, USA, welcomed all delegates and emphasized the importance of knowledgeable talks. Further, Program Director of the Advanced Materials Congress, welcomed all session chairs and provided information on the Congress's format and guidelines.

Advanced Materials Congress | 28 - 31 August 2023, Stockholm, Sweden

Fellow Summit | Baltic Conference Series | Advanced Energy Materials & Technology Congress

Conference Chairs: Qingyuan Wang, Rajendra Singh

The **International Association of Advanced Materials** organised **55th Advanced Materials Congress (AMC)**, held from August 28th to 31st, 2023, in the beautiful city Stockholm, Sweden. This prestigious event brought together several important IAAM gatherings, including the **Baltic Conference Series, Advanced Energy Materials & Technology Congress, IAAM Fellow Summit (Baltic Fellow Summit), and Advanced Materials Lecture Series**, all under one comprehensive roof. The uniqueness of this congress was amplified by the "Knowledge Experience at Sea™" format, where onsite sessions continued while sailing from Stockholm, Sweden, on August 28th, to Helsinki, Finland, and back to Stockholm on August 29th. The **Advanced Materials Congress** promised to be a memorable and enriching experience for all participants, fostering collaboration, innovation, and the exchange of groundbreaking ideas in the field of advanced materials.

Dr. Ashutosh Tiwari, Secretary General of the International Association of Advanced Materials and Director of the Institute of Advanced Materials, IAAM, Sweden graced the audience with a warm welcome message. Dr. Tiwari's message resonated with the attendees, highlighting the vital role that the International Association of

Advanced Materials plays in advancing the field. He announced that a **total of 211 presentations, representing 31 countries,** will be featured during the conference. The congress consisted of **41 thematic sessions, skillfully chaired by 84 renowned specialists, providing a cumulative total of 74 hours of knowledge sharing over four stimulating days.**

European Advanced Materials Congress | 23 - 26 September 2023, Southampton, UK

Conference Chairs: Ashutosh Tiwari, Ramon Eritja, Spomenka Kobe

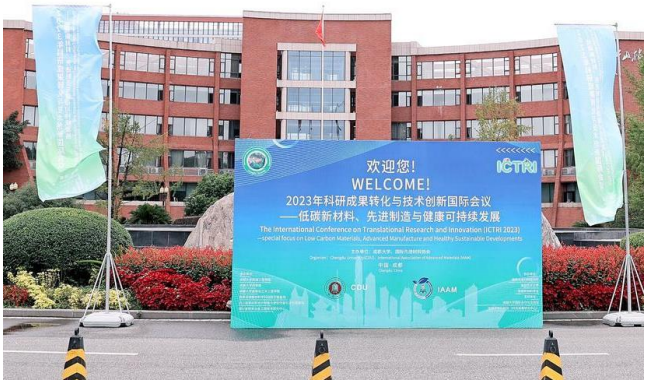
The International Association of Advanced Materials welcomes delegates in the European Advanced Materials Congress in Southampton, UK from 23 - 26 September 2023. This congress was organized with Onsite and Online LIVE Hybrid Setups, where onsite sessions was hosted at the Conference Center, M/S MSC Virtuosa (Southampton,-Netherlands-Southampton). **This is 56th assembly of the Advanced Materials Congress, which brings together the IAAM Fellow Summit and Advanced Materials Lecture Series under one roof, offering a unique hybrid experience.** The AMC assembly is one of the comprehensive advanced materials forum to discuss the recent trends and deep intuition for academia and industry.

The congress covered a wide range of topics through the Advanced Materials Lecture Series of oral and poster presentations, onsite welcome ceremony, and IAAM felicitation ceremony at both onsite and online LIVE setups. Conference secretary Dr. Ashutosh Tiwari informed that 56th assembly **received 232 abstracts from 48 countries and conducted 96 presentations from four continents (America, Europe, Asia and Africa). The congress consists of 21 thematic sessions chaired by 41 renowned experts, totaling 39 hours over four days, covering Advanced Materials Lectures for high tech applications.**

International Conference on Translational Research and Innovation

18 - 19 October 2023, China **| Conference Chairs:** Qingyuan Wang, Ashutosh Tiwari

International Conference on Translational Research and Innovation (ICTRI 2023) was fostered meaningful relationships that are mutually beneficial with leading materials professionals from ten different countries. The ICTRI 2023 demonstrated progress in the sectors of health, energy, and environment with active participation of 45 speakers on 10 thematic sessions such as **Climate Neutral Technologies, Net zero and Environmental Valorization, Energy Innovation and Technologies, Renewable Resources and Storage Technology, Structural Engineering and Sustainable Materials Engineering, Composite & Ceramic Materials Technology, Healthcare Research and Innovation, Biomaterials and Biodevices, Sensors and Flexible Devices, Artificial Intelligence and Materials Modelling** respectively. This **3rd assembly** represented an amalgamation of advanced materials, for translational and policy aspects organized by the International Advanced Materials Association and Chengdu University. The Organizing Committee of the conference warmly welcomes researchers from around the world to participate and display their research results and products. The conference is based on the strategic cooperation resolution signed by Chengdu University and IAAM, as well as the planning goals of the **IAAM 2030 Scientific Research and Transformation Innovation agenda** in the field of energy and health. ICTRI 2023 was especially focused on net-zero climate neutralization technology.



Advanced Materials World Congress | 09 - 12 November 2023, Orlando, USA

Conference Chairs: Guenter Schmid, Ashutosh Tiwari, Nathalie Steunou

The International Association of Advanced Materials organized the Advanced Materials World Congress (AMWC) in Orlando, Florida, from November 9 to 12, 2023. This congress was organized with Onsite and Online LIVE Hybrid Setups, where onsite sessions were organized at the Conference Center, M/S MSC Seaside, Orlando, USA (Orlando-Ocean Cay-Orlando). **This was 57th assembly of the Advanced Materials Congress (AMC), which brings together the IAAM Fellow Summit, Symposia, and Advanced Materials Lecture Series under one roof, offering a unique hybrid experience.** The onsite sessions were conducted in the immersive Knowledge Experience at Sea™ format.

The congress covered a wide range of topics through the Advanced Materials Lecture Series of Keynote, Invited, oral and poster presentations with welcome and felicitation ceremony at both onsite and online LIVE setups. **Congress received 256 abstracts from 23 countries and conducted presentations from all five continents (America, Australia, Europe, Asia and Africa). The congress oversaw 28 thematic sessions chaired by 56 renowned experts, covering Advanced Materials Lectures for high-tech applications over four days.**

International Conclave on Materials, Energy & Climate | 18 - 21 December 2023, Delhi, India

Conference Chairs: Rajendra Singh, Ashutosh Tiwari, Amita Dev, V.K. Vijay, Shiv Singh Sarangdevot, Jyotsana Dutta Majumdar and Debashis Chakraborty

The International Conclave on Materials, Energy & Climate (ICMEC) is a four-day global event on **18 - 21 December 2023 at Indira Gandhi Delhi Technical University for Women, Delhi, India** with Onsite-Online Hybrid conference setups. The primary focus of the conclave is to explore recent advances in materials, energy, and climate, specifically as they pertain to sustainable green transitions. From unveiling cutting-edge materials that can redefine industries, to discussing renewable energy sources that can power our future, and understanding the nuances of climate change — the conclave promises a holistic exploration of these domains. Participants, ranging from researchers, engineers, students, and academics to policymakers, industry professionals, and business leaders, will have the chance to showcase their research, innovations, breakthroughs, and ideas. In addition, the platform facilitates networking and the forging of international collaborations.

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