

IAAM brings research and industry closer together: Swedish organization host of worldwide scientific congresses on cruise ships

Between 10–13th of June the 26th assembly of Advanced Materials Congress (AMC) was organized onboard Viking Line’s M/S Mariella, sailing from Stockholm to Helsinki. Scientists, researchers and business executives from over 50 countries gathered to present and discuss findings and breakthroughs. The host, International Association of Advanced Materials (IAAM) is investing in new breakthroughs with the aim of bringing research and industry closer together. In the upcoming autumn and winter international congresses are arranged in Singapore, Orlando, USA and Sydney, Australia.

The opening keynote talk was delivered by Professor Joseph H. Koo from University of Texas in Austin, USA. He is specialized in nanocomposites for extreme environments such as solid rocket motors and re-entry vehicles. Professor Koo has forty years of experience in the field and has done well-funded research programs for organizations like NASA and NSF. He was very satisfied with the congress.

– I was surprised to see the diversity of the conference, he says.



A consortium with world-class panelists discussing translational composites research and innovation was held during the 26th Composite Materials Congress. Photo: IAAM.

Bringing different fields of research together and to establish a highly interactive advanced materials research community is what Dr. Ashutosh Tiwari, founder and secretary-general of IAAM, is trying to achieve with the IAAM congress series.

– Diversity is important to us. This time we invited several distinguished researchers in fields such as advanced composites for biomedical applications, metamaterials, graphene, biosensors and bioelectronic materials and nanocomposites for industrial applications. Our aim is to get researchers and innovative people from all over the world to gather at the same place. IAAM is working to reduce the gap between science and industry, so that more innovations lead to development of products that benefits society, says Dr Ashutosh Tiwari, founder of IAAM.

Three contemporary research fields were in focus during the 26th AMC

Composite Materials Congress offered a platform for a discussion on the recent developments of new composite materials.

Dr Ashutosh Tiwari is founder of the International Association of Advanced Materials, VP at Institute of Advanced Materials, VBRI and Editor-in-Chief of Advanced Materials Letters. He has been actively involved in the translational research especially innovation and technology for smart devices, which have emerged as a versatile platform for building state-of-the-art technological systems to handle key challenges in medical, security, energy supply and environmental issues realized by the integration of artificial intelligence and smart strategies. For the last ten years, his focus has been to develop global networks in research and education by bringing different fields of research together to learn and benefit from each other. He is actively involved in developing e-clinics for mass medicine to rural India and part of south Asia in collaborations.



Graphene and 2D Materials: On the 15th year anniversary of the discovery of graphene there could have been no better way than to organize a special thematic event to discuss the challenges, progress and opportunities of graphene research for the society.

The event also manifested by the release of “Handbook of Graphene”, comprised of 08 volume and considered as the highest referred literature in the field of graphene and 2D materials. The handbook comprises of 140 chapters contributed by more than 500 eminent authors from over 300 world-class institutions and published by WILEY-Scrivener, USA in association with IAAM.

A thematic symposium on **Biosensors and Bioelectronics** with seven eminent researchers from academia and industry was also organized. The event was succeeded by the release of handbook Biosensors and Advanced Sensors, published by WILEY-Scrivener, USA in association with International Association of Advance Materials (IAAM), Sweden.

An **International Consortium** was also organized on the Translational Composites Research & Innovations with the major aim to induce global cooperation and provide a platform to build multi-inter-trans-disciplinary projects by sharing knowledge, building joint infrastructures for grants applications, commercial IPRs, high-quality publications, etc.

Acclaimed speakers at the 26th Advanced Materials Congress

Prof. Marc Bockrath, University of California, USA

Tetsuya Onishi, Grand Joint Technology Ltd., Hong Kong and Koto Electric, Japan

Prof. Ruxandra Botez, University of Quebec, Canada

Prof. Bunshi Fugetsu, University of Tokyo, Japan

Prof. Liangchi Zhang, University of New South Wales, Australia

Prof. Eric Arquis, Université de Bordeaux, France

Jatin Mohapatra, Tata Steel Ltd., India

Prof. Andrea Bernasconi, Politecnico di Milano, Italy

Prof. Sergey Dunaevsky, Saint-Petersburg Electrotechnical University, Russia

For more information about the congress, go to our blog: <https://www.iaamonline.org/blog/report-of-the-26th-assembly-of-advanced-material-congress/>

Upcoming congresses:

11–14 August 2019, Stockholm – *European Advanced Materials Congress*

9–11 October 2019, Stockholm – *European Advanced Nanomaterials Congress*

31 October – 4 November 2019, Singapore – *Asian Advanced Materials Congress*

8–13 December 2019, Orlando – *American Advanced Materials Congress*

2– 5 February 2020, Sydney – *Advanced Materials World Congress*

The congresses are hosted by the International Association of Advanced Materials (IAAM), an NPO that aims to create forums for education and spreading of research within the rapidly expanding fields around advanced materials.

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