



12th Asia-Pacific Microscopy Conference

3-7 February, 2020 Hyderabad, India
Hyderabad International Convention Centre (HICC)



Welcome to APMC-12

We take great pleasure in informing you that, the Electron Microscope Society of India (EMSI), which is affiliated to IFSM, an Union Member of International Council of Science (ICS): formerly International Council of Scientific Unions (ICSU), has been given the opportunity to organize the 12th Asia-Pacific Microscopy Conference during 03-07 February, 2020 at Hyderabad, India.

The APMC – an international event, is organized every four years under the auspices of CAPSM – Committee of Asia-Pacific Society for Microscopy (comprising of 17 countries). This time the APMC will be held in conjunction with the annual conference and the XL (40th) meeting (AGM) of the EMSI.

It is anticipated that over a thousand scientists, researchers and students using different microscopy tools and techniques across the world will be attending the conference.

A large-scale interactive exhibition will be held where suppliers of Electron Microscopes and Allied Techniques will present and demonstrate the new technologies implemented in their instruments.

On behalf of the Organizing Committee of the APMC-12 & EMSI, we warmly welcome you to the 'City of Pearls' with your families and friends and wish you a memorable visit and stay at Hyderabad, India.

Objectives

The Asia-Pacific Microscopy Conferences (APMC) is held every four years since 1956 under the aegis of Committee of Asia-Pacific Societies of Microscopy (CAPSM). These conferences are held in different cities of Asia-Pacific region in collaboration with different local bodies of microscopy to promote electron microscopy and the various allied techniques and their application in carrying out scientific research towards the development of science and technology. The conferences provide platform for the young researchers and microscopists to interact with the world-renowned scientists in their respective fields and also with the industry people. All over the world there are several electron microscopy bodies or unions which organize electron microscopy conferences or workshops in different part of the world such as International Microscopy Congresses (IMC), European Microscopy Congresses (EMC), Multinational Congresses on Microscopy (MCM), Microscopy Society of America (MSA), International Federation of Societies or Microscopy (IFSM) etc.

Electron Microscope Society of India (EMSI), which is one of the affiliated organizations of CAPSM and IFSM, is organizing the 12th APMC conference in India. The APMC conference is going to be held in India 55 years after the Second Regional Conference on 'Electron Microscopy in Far East and Oceania' was held at Kolkata during 02-06 February, 1965. Therefore, EMSI is trying to provide a great opportunity for the scientists and researchers of India to get an exposure to the cutting edge research activities carried out in the various renowned laboratories working in the field of microscopy all over the world.

Registration Details

| Category | Early Bird (Up to 30 th June, 2019) | Regular (Up to 31 st Dec, 2019) | On-Spot Registration |
|--------------------------|--|--|----------------------|
| Delegates | \$ 500 (₹ 35,000) | \$ 600 (₹ 42,000) | \$ 700 (₹ 49,000) |
| Student | \$ 200 (₹ 14,000) | \$ 250 (₹ 17,500) | \$ 300 (₹ 21,000) |
| Industry | \$ 600 (₹ 42,000) | \$ 700 (₹ 49,000) | \$ 800 (₹ 56,000) |
| Accompanying Person | \$ 200 (₹ 14,000) | \$ 250 (₹ 17,500) | \$ 300 (₹ 21,000) |
| EMSI Sponsored Members | ₹ 15,000 | ₹ 20,000 | ₹ 25,000 |
| EMSI Accompanying Person | ₹ 7,500 | ₹ 7,500 | ₹ 8,000 |
| EMSI Sponsored Student | ₹ 5,000 | ₹ 7,000 | ₹ 10,000 |

All prices mentioned above are **inclusive** of GST.

Sponsorship Tariffs and Benefits

| Sponsorship Category | Amount | Benefits | | | |
|----------------------|---------------------------|-------------------|---------------------------|---------------------------|-------------------|
| | | Display of Banner | 1 page advert in souvenir | Registration of delegates | Exhibition Stalls |
| Platinum | \$45,000 (₹ 30,00,000) | Yes | Yes | 3 | 3A |
| Diamond | \$30,000 (₹ 20,00,000) | Yes | Yes | 2 | 2A |
| Gold | \$25,000 (₹ 15,00,000) | Yes | Yes | 2 | 1A |
| Silver | \$15,000 (₹ 10,00,000) | Yes | Yes | 1 | 1A |
| Titanium | \$10,000 (₹ 5,00,000) | Yes | Yes | 1 | 1B |

All prices mentioned above are **exclusive** of GST.

Note: 3A – Three Stalls of A category; 2A – Two Stalls of A Category; 1A – One Stall of A Category; 1B – One Stall of B Category.

Scope of the Conference

APMC 12: A forum for sharing the latest ideas and technologies in the world of microscopy and allied techniques especially for the Asia-Pacific Microscopists. The conference includes a wide range of topics under three main streams:

Material Sciences: Dedicated sessions will include discussions on Microscopy of Metals and Alloys, Glass, Ceramics, Composites, High Energy Materials, Functional Materials, Thin Films and Coatings, Low Dimensional Materials, Electronic and Photonic Materials and other Materials.

Life Sciences: Sessions will deal with Microscopy and Imaging associated with Bio Nanotechnology, Medical Applications, Host-Pathogen Interaction, Brain Structure, Animal Physiology and Development, Application in Paleontology, Flow Cytometry, Diseases and Immunocytochemistry, Multimodal Molecular Imaging in Health & Disease, Imaging methods in Medicine, Virology and Taxonomy and other related topics.

Microscopy Techniques: This stream includes Aberration Corrected TEM & STEM, SEM – FIB, Ion Beam Microscopy, Electron Diffraction & Crystallography, EBSD, Orientation Microscopy in TEM/PED, Microscopy based microanalysis, SPM, Spectroscopy analysis, Cryo Electron Microscopy, 3D-APT, In-situ techniques and other techniques.

IFSM Initiative: Young Researchers, Students and Scholars below the age of 40 are encouraged to submit new and exciting results in their respective fields which will be evaluated under the category Student / Young Researchers Contest (YRC). Registration fee for the Top Ten papers will be waived off along with an opportunity to present their work in the conference.

Important Date(s)

Paper submission opens: **01 January 2019**
Deadline for IFSM YR contest: **30 June 2019**
Paper submission deadline: **31 August 2019**
Paper acceptance notification: **31 October 2019**

Early Bird Registration deadline: **30 June 2019**
Regular Registration deadline: **31 December 2019**

The Conference City "Hyderabad" is a preferred destination for many global IT companies and is home to several scientific research organizations, institutions for higher education and central administrative bodies. Also, the city has re-invented itself as a hub for heavy industry, pharmaceuticals and bio-technology. The city is not only well connected by road, rail and air to different parts of India, but it also has good aerial connectivity with major cities around the globe.

Conference Committee & Other Details

Conference Chair
Dr. Partha Ghosal
Chairman – EMSI (Central)
Hyderabad

Conference Co-Chair
Dr. K Muraleedharan
Member – CAPSM
Kolkata

Conference Co-Chair
Dr. P V Satyam
President – EMSI
Bhubaneswar

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Electron Microscope Society of India

APMC12

International Advisory Committee
Chairman
Kamano Chattopadhyay, India
Co-Chairmen
C Barry Carter, USA
Zhang Ze, China

National Advisory Committee
Chairman
G K Dey, Mumbai
Co-Chairmen
N Ravishankar, B'lore
K R Vinoth Kumar, B'lore
Convener
Raghavendra Tewari, Mumbai

Local Organizing Committee
Chairman
Partha Ghosal, Hyd
Co-Chairperson
Anita Jagota, Hyd
G Ravichandra, Hyd
Convener
Rajdeep Sarkar, Hyd
Honorary Treasurer
Soumya Deb, Hyd

CAPSM

Executive Council
President
Zhang Ze, China
Vice President
Mary ML Ng, Singapore
Secretary & Treasurer
Hing Hiang Lian, Malaysia
Executive Committee
Members
Fu-Rong Chen, Taiwan
Syo Matsumura, Japan

For detailed list of committee members, please refer: www.apmc12.in