

12th Asian Consortium on Computational Materials Science (ACCMS-12)

8-10 July 2027

Hosted by SRM University AP, India Email: accms@srmap.edu.in

Jointly With JNCASR, TCG CREST, IIT Kanpur, IIT Madras, IISER Berhampur, INST Mohali, IIT Bombay

Established in 2000, the Asian Consortium on Computational Materials Science (ACCMS) serves as a premier international platform promoting research, education, collaboration and innovation in computational materials science. Over the past twenty-five years, ACCMS has brought together leading scientists, researchers, educators, and students from across Asia and the world. A variety of disciplines encompassing physics, chemistry metallurgy, geology, biology computer science and more recently Artificial Intelligence have contributed to this synergistic platform for computer simulation.

The original idea of the founding members Prof. Y. Kawazoe, Prof. B.L. Gu and Prof. G.P. Das was to share the computational resources, exchange of students, promote bi-lateral and multi-lateral agreements amongst research institutions in member countries, create computational data bases, establish Industry-Academia interactions and most importantly develop state-of-the-art software package for materials simulation with predictive capability. With this objective, ACCMS started its journey in the year 2000 in Sendai under the leadership of Prof. Kawazoe, that was followed by successful organization of bi-annual General Meetings, starting with ACCMS-1 in 2001 in India, and the latest one ACCMS-11 in 2024 in Yokohama (website : <https://accms.mobility.niche.tohoku.ac.jp/>). Apart from these 11 General Meetings, we have had 8 Theme / Working Group Meetings, 12 Virtual Organization (VO) Meetings, 41 Webinars and 10 Tutorial Session for young researchers. ACCMS-12 General Meeting marks a significant milestone, as the conference returns to India after nearly a quarter century. Hosted by SRM University-AP, the event will gather global experts working at the frontiers of materials modeling, simulation, high-performance computing, and AI-driven materials discovery.

Conference Highlights

International Keynote & Invited Lectures

Emerging Topics in:

- *Computational Materials Science*
- *Materials Design and Discovery*
- *Density Functional Theory*
- *Energy Materials*
- *Quantum Materials*
- *Nanoscience and Nanotechnology*
- *Artificial Intelligence in Materials Research*
- *High Performance Computing and Simulations*

ACCMS Awards

Kawazoe Best Poster Awards

ACCMS Travel Awards

Publication Opportunities in Partner Journals

Networking and International Collaborations

Banquet and Cultural Programs

Societal Applications

ACCMS Membership Opportunities

Important Dates

Activity	Date
Abstract Submission Deadline	31 January 2027
Acceptance Notification (International Participants)	10 February 2027
Acceptance Notification (Domestic Participants)	20 February 2027
Registration Payment Deadline	28 February 2027
Conference Dates	8-10 July 2027

Registration Fees (*)	
Category	Fee
Overseas Students / Postdoctoral Researchers	USD 100
Overseas Faculty / Scientists	USD 250
Overseas Industry	USD 350
Indian Faculty / Scientists	INR 15,000
Indian Industry Delegates	INR 20,000
Indian Students / Postdoctoral Researchers	INR 8,000
• <i>Includes accommodation, food</i> • <i>and local transport for speakers and Foreign Participants</i>	

ACCMS-11 Yokohama 2025



ACCMS – Working Group Members

Name of the Member	Affiliation	Country
Prof. Siriporn Jungsuttiwong	Ubon Ratchathani University	Thailand
Prof. Jer-Lai Kuo	Academia Sinica	Taiwan
Prof. Jung-Hoon Lee	Korea Institute of Science & Technol	Republic of Korea
Prof. Hiroshi Mizuseki	Korea Institute of Science & Technol	Republic of Korea
Prof. Viet Bac T. Phung	Vin University	Vietnam
Prof. Ryoji Sahara	National Institute for Materials Science	Japan
Prof. Lei Shen	National University of Singapore	Singapore
Prof. Hongming Weng	Chinese Academy of Sciences	China
Prof. Vannajan Sanghiran Lee	University Malaya	Malaysia
Prof. Ranjit Thapa	SRM University – AP	India
Prof. W. Wasanthi P. De Silva	University of Sri Jayewardenepura	Sri Lanka
Prof. Darwin Barayang Putungan	University of the Philippines	Philippines

ACCMS – Steering Committee Members

Name of the Member	Affiliation	Country
Prof. Yoshiyuki Kawazoe	Tohoku University	Japan
Prof. Gour P Das	TCG-CREST	India
Prof. Kwang-Ryeol Lee	Korea Institute of Science & Technol	Republic of Korea
Prof. Bing-Joe Hwang	National Taiwan University of Science and Technology	Taiwan
Prof. Duc Nguyen Manh	Hanoi National University of Education	Vietnam
Prof. Puru Jena	Virginia Commonwealth University	USA
Prof. Umesh Waghmare	JNCASR Bangalore	India
Prof. Sukit Limpijumnong	Suranaree University of Technology	Thailand
Prof. Jisoon Ihm	National University of Seoul	Republic of Korea



Expected Participation

More than **450 participants** from academia, research laboratories, industry, and international institutions.

- 180 International & National Invited Speakers
- 200 Student and Postdoctoral Participants
- Researchers from across Asia, Europe, and North America

Organizing Committee, India

ACCMS Founder

Prof. Yoshiyuki Kawazoe

Chairpersons

Prof. Umesh V. Waghmare, JNCASR

Prof. G P Das, TCG Crest

Co-Chairperson

Prof. Amalendu Chandra, IIT Kanpur

Convener

Prof. Ranjit Thapa, SRMAP

Co-Conveners

Dr. Mahesh Kumar Ravva, SRMAP

Prof. B. Ranjit K. Nanda, IIT Madras

Prof. Abir De Sarkar, INST, Mohali

Dr. Anita Halder, IISER Berhampur

Prof. Amrita Bhattacharya, IIT Bombay

Members

Mr. Samrit Kumar Maity, CDAC, Pune

Mr. Om Jadav, CDAC Pune

Dr. Rohit Babar, SRMAP

Dr. Sudip Pan, SRMAP

Dr. Pranab Mandal, SRMAP

Dr. Ravi Kumar, SRMAP

Dr. Pankaj Bhalla, SRMAP

Dr. Vikram Mahamiya, SRMAP

Dr. Arup Sarkar, SRMAP

Dr. Soumyajyoti Biswas, SRMAP

Dr. Gangireddy Salla, SRMAP

Dr. Suraj Kumar Bhagat, SRMAP

Dr. Ashu Abdul, SRMAP

International Advisory Committee

- Prof Yoshiyuki Kawazoe, Tohoku University, Japan
- Prof Jisoon Ihm, Pohang University of Science and Technology, South Korea
- Prof Puru Jena, Virginia Commonwealth University, USA
- Prof Gour P Das, IIT Kharagpur, India
- Prof Vladimir Belosludov, Nicolaev Institute of Inorganic Chemistry, Russia
- Prof Duc Nguyen-Manh, United Kingdom Atomic Energy Authority, UK
- Prof Umesh Waghmare, Jawaharlal Nehru Centre for Advanced Scientific Research, India
- Prof Bing Joe Hwang, National Taiwan University of Science and Technology, Taiwan
- Prof Feng Yuan Ping, National University of Singapore
- Prof Kwang-Ryeol Lee, Korea Institute of Science and Technology, South Korea
- Prof Qian Wang, Peking University, China
- Prof Jian-Tao Wang, Chinese Academy of Sciences, China
- Prof Zhanpeisov Nurbosyn, Tohoku University, Japan
- Prof Talgat M Inerbaev, Nazarbayev University, Kazakhstan
- Prof Haris Mahyuddin, Bandung Institute of Technology, Indonesia
- Prof Siu Chi Kit Andy, City University of Hong Kong
- Prof Ranjit Thapa, SRM University-AP, Andhra Pradesh
- Prof Darwin Putungan, University of the Philippines Los Baños, Philippines
- Prof CT Chan, The Hong Kong University of Science and Technology
- Prof Pan Hui, University of Macau, China
- Prof Vannajan Sanghiran Lee, University of Malaya, Malaya
- Prof Sang Uck Lee, Hanyang University, South Korea
- Prof Kaoru Ohno, Yokohama National University Japan
- Prof Hiroshi Mizuseki, Korea Institute of Science and Technology, South Korea
- Prof Ryoji SAHARA Ryoji, National Institute of Materials Science, Japan
- Prof Sirichok Jungthawan, Suranaree University of Technology, Thailand
- Prof Jer-Lai Kuo, Academia Sinica, Taiwan
- Prof Rodion Belosludov, Tohoku University, Japan
- Prof Keivan Esfarjani, University of Virginia, USA
- Prof. Raebiger Hannes, Yokohama National University, Japan
- Prof. Feng Liu, University of Utah, USA
- Prof. Tang Wai Kit, University Malaya, Malaysia
- Prof. Shen Lei, National University of Singapore, Singapore

Budget

Sl. No	Description for the expenses	Net Amount (Incl. of GST)	Remarks
1	Travels Booking (Flight, Bus, and Train)	8,00,000	Mainly 150 Students, 10 National Speakers and 4 International Speakers (Partial) All invited Speakers will pay Registration Fee and Take care of the Air Travel.
2	Accommodation (Outside / Inside Campus)	37,00,000	Lemon tree Premier and Novotel for 180 Speakers
3	Local Conveyance	10,00,000	
4	Food & Beverage including Banquet	33,00,000	Banquet – Novotel (Request VC, SRMAP will support the Banquet)
5	Materials and Other Services	5,00,000	
6	Venue arrangements	0	
7	Cultural Program, Local Tour, Poster Prize, Award	3,00,000	
8	Printing of Materials Press & Media Arrangements and Advertisements	2,00,000	
9	Miscellaneous expense	3,00,000	
	Grand Total (Rs)	101,00,000	