



Scan To Website



First International Conference on Advanced Computing and Systems

AdComSys 2024

Organized by:
Department of Computer Science and Technology & Computer Science and Information Technology (CST and CSIT)

26th and 27th June, 2024

<https://adcomsys.uem.edu.in/>

All accepted and presented papers will be published by the **Web of Science (WoS)** indexed **Springer Nature Book Series "Algorithms for Intelligent Systems"** (<https://www.springer.com/series/16171>)



INTERNATIONAL ADVISORY COMMITTEE (PARTIAL)

Dr. Lawrence Dalmarie - UDC, USA
Dr. Karina Aragon Gaxiola - University of Waterloo, Canada
Dr. Mohammad Al Azawi - OCMT, Oman
Dr. Mohammed Beitsuwafilim - Sultan Qaboos University, Oman
Dr. Dena McMartin - University of Saskatchewan, Canada
Dr. David deMontigny - University of Regina, Canada
Dr. Mohd Hafiz Bin Fazalul Rahiman - UMP, Malaysia
Dr. Nathalie Tourigny - University of Waterloo, Canada
Dr. Marian Langbridge - SEMC, UK
Dr. March - Shannon, UN, Canada
Dr. lei zhu - NREL, USA
Dr. Michael Osborne - University of Oxford, UK
Dr. Robert F Davis - CMU, USA
Dr. Burak O Ozdoganlar - CMU, USA
Dr. Boudreault - Mathieu, MHI, Canada
Dr. Obermayer - KTU, Netherland
Dr. Boukadoum - A. MMHI, Canada
Dr. Richard Linley - University of Cambridge, UK
Dr. Qusay Mahmoud - Ontario Tech University, Canada
Dr. Mekonnen - Gashaw, CHSAAU, Ethiopia
Dr. Gregory Dudek - McGill University, Canada
Dr. Sylvie Thiebaut - ACCS, Australia
Dr. Adam W. Skorek - University of Québec at Trois-Rivières, Canada
Dr. Michel Plaisent - University of Quebec in Montreal, Canada
Dr. Jörg Sander - University of Alberta, Canada
Dr. Erik Cambria - Nanyang Technological University, Singapore
Dr. Nathalie Japkowicz - American University, USA
Dr. Liming Zhang - University of California, USA
Dr. Wudhichart Sawangphol - Mahidol University, Thailand
Dr. Noraisyah Binti Mohamed Shah - University of Malaya, Malaysia
Dr. Raj Jain Washington University - USA
Dr. Hadj Bourdoucen - Sultan Qaboos University, Oman
Dr. Vincenzo Piuri - Universita' degli Studi di Milano, Milano, Italy

TECHNICAL PROGRAM COMMITTEE

Dr. Rajat Kumar Pal - University of Calcutta, Kolkata, India
Dr. Mokbul Morshed Ahmad - Asian Institute of Technology, Thailand
Dr. Nabendu Chaki - University of Calcutta, India
Dr. Mohd Syuhaimi Ab Rahman - NUM, Malaysia
Dr. Rajitha B - MNMITA, Prayagraj, India
Dr. Shirley Devapriya Dewasurendra - University of Peradeniya, Sri Lanka
Dr. Anirban Mukhopadhyay - University of Kalyani, Kalyani, India
Mr. Bidit Pakrashi - Comcast, USA
Dr. Debashish De - MAKAUT, West Bengal
Dr. Sheng-Lung Peng - National Dong Hwa University, Hualien, Taiwan
Dr. Indrajit Banerjee - IEST, Shibpur, India
Dr. Shivendra Shivani - Thapar University, Patiala
Dr. Ekramul Hamid - University of Rajshahi, Bangladesh
Dr. Chintan Kumar Mandal - Jadavpur University
Dr. Media Anugerah Ayu - Sampoerna University, Indonesia
Dr. Santi Prasad Maity - IEST, Shibpur, India
Dr. Fatima Isiaka - Sheffield Halam University, United Kingdom
Dr. Peter Loh Kok Keong - Nanyang Technological University, Singapore
Dr. Asish Kumar Mukhopadhyay - Prof. Emeritus, IET, BU, Jhansi, U.P
Dr. Apurba Sarkar - IEST, Shibpur, India
Dr. Jaya Sil - IEST, Shibpur, India
Dr. Hamid Abdullah Jalab al-Tulea - UM, Kuala Lumpur, Malaysia
Dr. Chang-Biau Yang - National Sun Yat-sen University, Kaohsiung, Taiwan
Dr. Surajit Kumar Roy - IEST, Shibpur, India
Dr. David deMontigny - University of Regina, Canada
Dr. Mohd Hafiz Bin Fazalul Rahiman - UMP, Malaysia
Dr. Marian Langbridge - School of Engineering & Material Science, UK
Dr. March, Shannon - University of Newfoundland, Canada
Dr. Lei Zhu - National Renewable Energy Laboratory, USA
Dr. Nidul Sinha - National Institute of Technology, Silchar, Assam, India
Dr. Annapa B - National Institute of Technology Karnataka, Surathkal, India
Dr. Malay Kule - IEST, Shibpur, India
Dr. Sankhayan Choudhury - University of Calcutta, India
Dr. Sunirmal Khatua - University of Calcutta, India
Dr. Pritha Banerjee - University of Calcutta, India
Dr. Rajib Das - University of Calcutta, India
Dr. Bansibadan Maji - National Institute of Technology, Durgapur, India
Dr. Tanvi Agrawal - Indian Institute of Technology, Mumbai
Dr. Sahil Neelam - Punjab Institute of Technology Kapurthala, India
Dr. Rik Das - Xavier Institute of Social Service
Dr. Parag Kumar Guha Thakurta - NITD, India
Dr. Simon Stieber - University of Augsburg, UNA
Dr. Abdulnasir Hossen - Sultan Qaboos University, Oman
Dr. Padmalochan Bera - Indian Institute of Technology, Bhubaneswar
Dr. Himadri Shekhar Dutta - Kalyani Govt. Engineering College
Dr. Ahmad Zaidi bin Abdullah - Universiti Malaysia Perlis, Malaysia
Dr. Roy Eagleson - Western University, Canada
Dr. Soumya Sen - University of Calcutta, India
Dr. K.K. Shukla - IIT, Banaras Hindu University, India
Dr. Julia Johnson - Laurentian University, Sudbury, Ontario, Canada
Dr. Rinki Sharma Ramaiah - UAS, Karnataka, India
Dr. Tapas Si - University of Engineering & Management, Jaipur
Dr. Normi sham bt. Awang Abu bakar - IIU, Malaysia
Prof. Adrian Schmidt - Burman University, Canada
Dr. Ke-Lin Du - Concordia University Montreal, Canada
Dr. Hamed Sadat mehrizi - Qazvin Azad University, Iran
Dr. Rosli Bin Besar - Multimedia University, Malaysia
Dr. Saradindu Panda - Narula Institute of Technology Kolkata, India
Dr. Nirnay Ghosh - IEST, Shibpur, India
Dr. Indranil Chakrabarty - IIIT, Hyderabad, India
Dr. Arijit Banerjee - Federated Wireless, USA
Dr. Konika Das Bhattacharya - IEST, Shibpur, India
Mr. Sanjay Saha - SAMSUNG, India
Dr. Rudra Pratap Ojha - G. L. BITM, Greater Noida, India
Dr. Soumya Ranjan Mishra - SCE, KIIT University, Bhubaneswar, India
Dr. Dhananjay Bhakta - IIIT Ranchi, India
Dr. Mandeep K. Chawla - MCM DAV College for Women, Chandigarh, India
Dr. Karl F. Bohringer - University of Washington, USA
Dr. Gitosree Khan - BP PoddarIT, Kolkata, India
Dr. Anirban Mitra - Amity University, Kolkata, India
Dr. Samya Muhuri - TIET, Patiala, India
Dr. Kousik Dasgupta - KGECE, Kalyani, Nadia, West Bengal, India
Dr. Samir Kr Borgohain - NIT, Silchar, Assam, India
Dr. Nassir Jabir Farhan AL-Khafaji - Technical Institute of Nasiriyah, Iraq
Dr. Bhaskar Karn - Birla Institute of Technology, Mesra, India
Dr. Dhruva Jyoti Bora - MIT, Chittoor, Andhra Pradesh, India
Dr. Debashree Devi - IIIT, Guwahati, Assam, India
Mr. Subham Bid - Associate at CB Tech, Deutsche Bank, Pune, India
Miss. Shirsha Chakraborty - SSE, Marsh McLennan, USA
Dr. Sandip Das - GITS, Udaipur, Rajasthan, India
Dr. Riya Sen - GITS, Udaipur, Rajasthan, India
Dr. Sumana Kundu - Dr. B. C. Roy Engineering College, Durgapur, India
Dr. Ravi Kant Kumar - SRM University, Andhra Pradesh, India
Dr. Prabhat Kumar Upadhyay - Birla Institute of Technology, India
Prof. Dr. Ayan Banerjee - IEST, India
Mr. Shashwata Banerjee - HCL Technologies
Ms. Rishmita Saha - Capgemini
Mr. Aritra Dutta - Accenture
Mr. Aninda Sankar Shukla - Mindshare Global



The IEM UEM group is an acclaimed educational group amongst today's industry-centred academic training organisations. IEM has set sublime standards in addressing the technical and managerial resource shortage in the new era of dynamic globalisation. The IEM UEM group has risen to fame for its strong foundation in teaching and R&D in multifaceted areas. It aims to serve the future generation and the Nation through its commitment towards self-sufficiency and unmatched excellence. University of Engineering & Management (UEM) aims to provide an international ambience and exposure with innovative teaching techniques and courses which are tailor-made (technical & soft skills) for the job market giving the students the winning edge and competitive advantage during placements.

The International Conference on Advanced Computing and Systems (AdComSys) will foster an excellent international forum for exchanging knowledge and the recent developments in theory, methodologies and applications in Artificial Intelligent (AI) systems, Internet of Things (IoT) systems, Cybersecurity and Blockchain systems and emerging computing techniques. The AdcomSys aims to encourage the intense dialogues between academia and industry to bridge the gap between scholarly research, industrial initiatives and governmental policymaking. AdComsys 2024 will attribute to the diverse spectrum of keynote addresses, technical tracks, panel discussions and industry exhibits where academia can view state-of-the-art findings from the trials and interoperability experiments. Furthermore, the industry will benefit from exposure to leading-edge research and an opportunity to interact and fraternize with academic researchers on real-world issues.

The purpose of AdComSys 2024 is to solicit original research and technical papers from researchers, scientists, academicians, industry professionals and students to report their experience, new ideas and research results about advanced computing and systems to discuss the practical challenges encountered and solutions adopted.

AdComSys 2024 will be held at the University of Engineering and Management, Kolkata, on June 26th-27th, 2024.

DOMAINS OF POTENTIAL EXPLORATION

Track 1: Emerging Computing

- Cloud Computing
- Parallel Computing
- Green Computing
- Geoscience and Remote Sensing
- Human Centric Computing
- Cognitive Intelligence
- Audio, Speech and Video Processing
- Quantum Computing
- Fog Computing
- Mobile Computing
- Cognitive Computing
- Grid Computing
- Quantum Cryptography
- Fuzzy Systems
- Biomedical and Health Informatics
- Bio-inspired Computing
- Dew Computing
- Pervasive Computing
- Evolutionary Computation
- Industrial Informatics
- Digital Forensics
- Affective Computing
- Bioinformatics
- Neuromorphic Computing

Track 2: AI Systems

- Intelligent Systems
- Explainable AI
- Active Learning
- Generative Models
- NLP-based Smart Systems
- Big Data
- AI with Robotics
- Deep Learning
- Featured Learning
- Generative Adversarial Network
- Robotics Systems
- Data Mining
- AI-based Image Processing
- Reinforcement Learning
- Meta Learning
- Soft Computing
- Data Analytics Systems
- Automation

Track 3: IoT Systems

- IoT in Healthcare
- IoT in Agriculture
- Human Activity Recognition
- IoT in Everything
- IoT in Vehicular Network
- IoT in Underwater Surveillance
- Wireless Sensor Networks
- AlloT
- IoT in Industry
- IoT in Smart City
- 5G & beyond 5G
- Industry 4.0

Track 4: Cyber Security Systems and Blockchain

- Blockchain Authentication
- Smart Contracts
- Crypt Analysis
- Cybernetics
- Cryptocurrency
- Encryption Techniques
- Blockchain-based Machine Learning
- Security, Privacy, Attacks, and Forensics
- Security in IoT
- Dependable and Secure Computing

PAPER SUBMISSION LINK

<https://cmt3.research.microsoft.com/AdComSys2024>

Authors are solicited to contribute to the conference by submitting articles at the above link that illustrate research results, projects, surveying works and industrial experiences that describe significant advances in computing, communication and automation.

Submission Guideline The papers must be submitted **ONLINE** though **CMT Link**. Please follow standard author instructions of Springer conference for paper format

Publication: All accepted and presented papers will be published by the **Web of Science (WoS)** indexed **Springer Nature Book Series "Algorithms for Intelligent Systems"** (<https://www.springer.com/series/16171>)

Mode of Conference: Hybrid mode

IMPORTANT DEADLINES

Full Paper Submission Open:	28th August 2023
Full Paper Submission:	20th December 2023
Acceptance Notification:	6th March 2024
Early Bird Registration:	25th March 2024
Last Date of Registration:	15th April 2024
Final Camera Ready Paper	1st May 2024
Submission of Copyright:	1st May 2024
Date(s) of Conference	26th & 27th June 2024

ORGANISING COMMITTEE

- Chief Patron**
 - Prof. Dr. Satyajit Chakrabarti - Chancellor (University of Engineering and Management, Kolkata)
- Patrons**
 - Prof. Dr. Sajal Dasgupta - Vice Chancellor (University of Engineering and Management, Kolkata)
 - Prof. Dr. Satyajit Chakrabarti - Pro-Vice Chancellor (University of Engineering and Management, Kolkata)
 - Prof. Dr. Sukalyan Goswami - Registrar (University of Engineering and Management, Kolkata)
 - Prof. Dr. Rajashree Paul - Deputy-Dean (University of Engineering and Management, Kolkata)
 - Prof. Dr. Kamakhya Prasad Ghatak - Dean-Engineering (University of Engineering and Management, Kolkata)
 - Prof. Dr. Rajiv Ganguly - Dean-Science (University of Engineering and Management, Kolkata)
 - Prof. Dr. Abir Chatterjee - Dean-Research (University of Engineering and Management, Kolkata)
- General Chair**
 - Prof. Dr. Maumita Chakraborty (Department of Computer Science and Technology & Computer Science and Information Technology, University of Engineering and Management Kolkata)
 - Prof. Dr. Weiping Ding (Deputy Dean of School of Information Science and Technology, Nantong University, Nantong, Jiangsu, China)
 - Prof. Dr. Shouvik Chakraborty (Department of Computer Science & Technology, Women's Polytechnic, Chandernagore, Government of West Bengal, Chandannagar, Hooghly, West Bengal, India)
- Convener**
 - Prof. Dr. Maumita Chakraborty (University of Engineering and Management Kolkata, India)
- Co-Conveners**
 - Prof. Dr. Subhalaxmi Chakraborty (University of Engineering and Management Kolkata, India)
 - Prof. Dr. Sudipta Basu Pal (University of Engineering and Management Kolkata, India)
 - Prof. Dr. Chiradeep Mukherjee (University of Engineering and Management Kolkata, India)
 - Prof. Sankhadeep Chatterjee (University of Engineering and Management Kolkata, India)
- Technical Chair**
 - Prof. Dr. Danilo Pelusi (University of Teramo, Faculty of Communication Sciences, Teramo, Italy)
 - Prof. Dr. Valentina Emilia Balas (Aurel Vlaicu University of Arad, Romania)
 - Prof. Dr. Amlan Chakrabarti (A.K.Choudhury School of Information Technology , University of Calcutta)
 - Prof. Dr. Asit Kumar Das (Department of Computer Science and Technology, Indian Institute of Engineering Science and Technology, Shibpur)
- Industry Chair**
 - Mr. Sushovan Chanda (TCS Innovation Cell)
- Finance Chair**
 - Mr. Indraneel Banerjee (University of Engineering and Management Kolkata)
- Organizing Committee Members**
 - Dr. Srilekha Mukherjee (University of Engineering and Management Kolkata, India)
 - Dr. Panchali Datta Choudhury (University of Engineering and Management Kolkata, India)
 - Dr. Anirban Chakraborty (University of Engineering and Management Kolkata, India)
 - Prof. Stobak Dutta (University of Engineering and Management Kolkata, India)
 - Dr. Prasenjit Kumar Das (University of Engineering and Management Kolkata, India)
 - Prof. Piyali Chandra (University of Engineering and Management Kolkata, India)
 - Prof. Pradipta Sarkar (University of Engineering and Management Kolkata, India)
 - Prof. Sanjukta Mishra (University of Engineering and Management Kolkata, India)
 - Prof. Kamalika Bhowal (University of Engineering and Management Kolkata, India)
 - Prof. Sudipta Sikdar (University of Engineering and Management Kolkata, India)
 - Dr. Rajendrani Mukherjee (University of Engineering and Management Kolkata, India)
 - Dr. Tapas Guha (University of Engineering and Management Kolkata, India)

REGISTRATION

Regular Author Student	
India/SAARC (INR)	Foreigner (USD)
Early Bird - 4500	Early Bird - 100
Regular - 5500	Regular - 150
Regular Author Academician, PhD Scholars	
India/SAARC (INR)	Foreigner (USD)
Early Bird - 5000	Early Bird - 200
Regular - 6000	Regular - 250
Regular Author from Industry	
India/SAARC (INR)	Foreigner (USD)
Early Bird - 7000	Early Bird - 200
Regular - 8000	Regular - 250
Only Attending or Accompanying	
India/SAARC (INR)	Foreigner (USD)
Early Bird - 2500	Early Bird - 80
Regular - 2500	Regular - 80
*All rates are exclusive of GST and other monetary transaction charges.	

Contact Us

Dr. Subhalaxmi Chakraborty - subhalaxmi.chakraborty@uem.edu.in
Dr. Sudipta Basu Pal - sudipta.basu@uem.edu.in
Dr. Chiradeep Mukherjee - chiradeep.mukherjee@uem.edu.in
Prof. Sankhadeep Chatterjee - sankhadeep.chatterjee@uem.edu.in