



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 Beitsuwafim - 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 Hallam 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, USA
- 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 - KGET, 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
- AllIoT
- 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: | 15th March 2024 |
| Acceptance Notification: | 25th March 2024 |
| Early Bird Registration: | 15th April 2024 |
| Last Date of Registration: | 25th 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. Kamakhyia 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, Chandernagore, 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 (UG/PG) | |
|--|------------------|
| 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 - 250 |

*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