



**2019 Second International Conference on
Advanced Computational and Communication Paradigms (ICACCP)**



Organized by
Department of Computer Science and Engineering
Sikkim Manipal Institute of Technology, Sikkim, India
Date: February 25-28, 2019

ICACCP 2019 Program at a Glance

Day 01	Date: 25th February 2019 (Monday)
09:00-1.00 PM	Registration @ C-Quad Reception Desk Pre-conference Tutorials
09:30 AM - 10:30 AM	Tutorial I: Machine Learning and Data Science Prof. (Dr.) Ujjwal Maulik, Jadavpur University, Kolkata, India Venue: Seminar Hall
10:30 AM – 11:00 AM	Tea Break@ Seminar Hall
11:00 AM – 12:00 PM	Tutorial II: Evolutionary Multi-objective Optimization and Topological Data Analysis for Designing Innovative Products Dr. Hamada Naoki, Artificial Intelligence Laboratory, Fujitsu Laboratories Ltd., Japan Venue: Seminar Hall
12:00 AM – 1:00 PM	Tutorial III: Applied Data Stream Analytics Mr. Sumit Misra, RS Software (India) Limited, Kolkata, India Venue: Seminar Hall
01:00 PM – 02:00 PM	Lunch Break@ Marena
02:30 PM – 04:00 PM	Conference Inauguration @ Multipurpose Hall
04:00 PM – 5:00 PM	Plenary: Computational Biology: Foundations, Advances and Challenges Prof. (Dr.) Sanghamitra Bandyopadhyay, Director, Indian Statistical Institute, Kolkata, India Venue: Multipurpose Hall
05:00 PM – 5:30 PM	High Tea@ Multipurpose Hall
05:30 PM – 6:30 PM	Keynote I (ACM Distinguished Lecture): The Ubiquitous AI Revolution: Processing real world information in mobile devices and the cloud Dr. Valentina Salapura, Thomas J. Watson IBM Research Center, USA Venue: Multipurpose Hall
06:30 PM – 7:30 PM	Keynote II: Difficulties in Performance Comparison of Evolutionary Multi-Objective and Many-Objective Optimization Algorithms Prof. (Dr.) Hisao Ishibuchi, Southern University of Science and Technology, China Venue: Multipurpose Hall
07:30 PM – 8:30 PM	 Cultural Function Venue: Multipurpose Hall
08:30 PM – 09:30 PM	 Banquet Dinner @Marena





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Day 02	Date: 26 th February 2019 (Tuesday)
09:00 AM Onwards	Registration @ C-Quad Reception Desk
09:30 AM - 10:30 AM	Keynote-III (ACM Distinguished Lecture): Puzzle-based learning in Cyber Security Education Prof. (Dr.) Dipankar Dasgupta, The University of Memphis, Memphis, USA Venue: Seminar Hall
10:30 AM – 10:45 AM	Tea Break@ Seminar Hall
10:45 AM – 11:45 AM	Invited Talk-I (IEEE Distinguished Lecture, Computer Society): Secure Fog Computing for Smart Living Prof. (Dr.) Bruce McMillin, Missouri University of Science and Technology, USA Venue: Seminar Hall
11:45 AM – 12:45 PM	Invited Talk-II: Some Prospective Applications of Cognitive Radio in 5G Communication Prof. (Dr.) Iti Saha Misra, Jadavpur University, Kolkata, India Venue: Seminar Hall
01:00 PM – 02:00 PM	Lunch Break@ Marena
02:00 PM – 06:30 PM	ISCMM 2019 Track: Computer Vision and Machine Intelligence in Medical Image Analysis Session Chairs: Dr. Moumita Mukherjee, Adamas University, Kolkata, India and Dr. Dr. Gorky Medhi, Sikkim Manipal Institute of Medical Science, Sikkim, India Venue: CA Lab
02:00 PM – 07:30 PM	Track-V: Computer Vision and Image Processing Venue: Seminar Hall Session Chairs: Dr. Sekhar Mandal, Indian Institute of Engineering Science and Technology, Shibpur and Dr. Sourav De, Cooch Behar Government Engineering College, India
02:00 PM – 08:00 PM	Track-IX: Electrical and Electronics Devices and Power Systems Venue: AP Lab Session Chairs: Dr. Singam Jayanthu, National Institute of Technology, Rourkela, India and Dr. Ravinder Agarwal, Thapar Institute of Engineering and Technology, India
02:00 PM – 04:00 PM	Special Track-IX: Machine Learning Paradigms for Text Analysis and Bio-Signal Processing Venue: PGR-I Lab Session Chairs: Dr. Kamal Sarkar, Jadavpur University, Kolkata, India and Dr. Aakanksha Sharaff, National Institute of Technology, Raipur, India
02:00 PM – 03:00 PM	Tutorial IV: Invariance: The Problem With CNN Venue: SP Lab Session Chair: Dr. Nibaran Das, Jadavpur University, Kolkata, India





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03:00 PM – 04:00 PM	Track-I: Advanced Computational Paradigms Venue: SP Lab Session Chair: Dr. Nibaran Das, Jadavpur University, Kolkata, India and Dr. Annapurna P Patil, Ramaiah Institute of Technology, Bangalore, India
4:00 PM – 04:15 PM	Tea Break @ C-Quad
04:15 PM – 06:00 PM	Track-III: Cyber Security and Data Forensics Venue: SP Lab Session Chair: Dr. Debabrata Samanta, Dayananda Sagar Institute of Technology, India
04:15 PM – 06:00 PM	Special Track-I: Computational Neuroscience, Cognition, Bio-Medical Engineering and Biotechnology Venue: PGR-I Lab Session Chair: Dr. Tapan Kumar Gandhi, Indian Institute of Technology, Delhi, India
02:00 PM – 04:00 PM	Special Track-III: Internet of Things (IoT) and Blockchain Venue: MP Lab Session Chair: Dr. Anirban Das, University of Engineering & Management, Kolkata, India
04:15 PM – 06:00 PM	Special Track-V: Big-Data Analytics and Social Networking Venue: MP Lab Session Chair: Dr. Hardeo Kumar Thakur, Manav Rachana University, Faridabad, India
02:00 PM – 06:00 PM	ICACCP'19 Project Showcase & Poster Presentation Venue: C Quad
08:00 PM – 09:00 PM	Dinner @ Marena

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Day 03	Date: 27 th February 2019 (Wednesday)
09:00 AM Onwards	Registration @ C-Quad Reception Desk
09:30 AM - 10:30 AM	Invited Talk-III (ISCMM 2019): Human Inspired Artificial Intelligence: Challenges & Opportunities Dr. Tapan K. Gandhi, Indian Institute of Technology, Delhi, India Venue: Seminar Hall
10:30 AM – 10:45 AM	Tea Break @ Seminar Hall
10:45 AM – 11:45 AM	Invited Talk IV (ISCMM 2019): Medical Image Analysis for Computer-Assisted Diagnosis System Prof. (Dr.) Debotosh Bhattacharjee, Jadavpur University, India Venue: Seminar Hall
11:45 AM – 12:45 PM	Invited Talk-V (IEEE Distinguished Lecture, I&M Society): Intelligent Measurement Systems for Smart[er] Grids Control Prof. (Dr.) Mihaela M. Albu, Politehnica University of Bucharest, Romania Venue: Seminar Hall
01:00 PM – 02:00 PM	Lunch Break @ Marena
03:00 PM – 04:00 PM	Invited Talk-VII (ISCMM 2019): Role of Narrow Band Imaging in Early Diagnosis of Head and Neck Cancer Prof.(Dr.) Suvamoy Chakraborty, North Eastern Indira Gandhi Regional Institute of Health & Medical Sciences, Shillong, India Venue: Seminar Hall
02:00 PM – 06:00 PM	Track-VII: Adaptive Computation and Machine Learning Venue: AP Lab Session Chair: Dr. Sreeparna Banerjee, West Bengal University of Technology, India
02:00 PM – 06:00 PM	Track-II: Networking and Data Communications Venue: MP Lab Session Chair: Dr. Nabendu Chaki, University of Calcutta, Kolkata, India
02:00 PM – 06:00 PM	Track-VI: Computational Intelligence Venue: PGR-I Lab Session Chair: Dr. Jaya Sil, Indian Institute of Engineering Science and Technology, India
02:00 PM – 06:00 PM	Track-IV: Signal Processing and Communication Engineering Venue: SP Lab Session Chair: Dr. Iti Saha Misra, Jadavpur University, Kolkata, India
02:00 PM – 04:00 PM	Special Track-IV: Next Generation Computing and Communication Venue: CA Lab Session Chair: Dr. Sourav De, Cooch Behar Government Engineering College, India







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4:00 PM – 04:15 PM	Tea Break @ C-Quad
06:30 PM – 8:30 PM	 Cultural Program @ Open Theater
08:30 PM – 09:30 PM	 Gala Dinner @Marena

Day 04	Date: 28th February 2019 (Thursday)
09:00 AM Onwards	Registration @ C-Quad Reception Desk
10:45 AM – 11:45 PM	Keynote-IV: Mr. Indrajit Sanyal, Senior Director, Ericsson India Global Services Venue: Seminar Hall
9:30 AM – 11:30 AM	Special Track-VIII: Geophysical Remote Sensing and Geographic Information System Venue: MP Lab Session Chair: Dr. Saurabh Das, Indian Institute of Technology, Indore, India
9:30 AM – 10:30 AM	Special Track-II: Human Computer Interaction, Mechatronics and Robotics Venue: PGR I Lab Session Chair: Dr. Sourish Sanyal, Cooch Behar Government Engineering College, India
10:30 AM – 10:45 AM	Tea Break @C Quad
9:30 AM – 10:30 AM	Special Track-VI: Material Science and Nano Technology Venue: SP Lab Session Chair: Dr. Somenath Chatterjee, Sikkim Manupal Institute of Technology, India
9:30 AM – 10:30 AM	Special Track-VII: Graph, Geometric Algorithms and Applications Venue: Seminar Hall Session Chair: Dr. Biswajit Deb, Sikkim Manupal Institute of Technology, Sikkim, India
9:30 AM – 11:30 PM	Track-VIII: Industrial Applications Venue: AP Lab Session Chairs: Dr. Hamada Naoki, Fujitsu Laboratories Ltd., Japan and Mr. Indrajit Sanyal, Senior Director, Ericsson India Global Services
12:00 PM – 1:00 PM	Valedictory Session @ Seminar Hall
01:00 PM – 02:00 PM	Lunch @ Marena

