



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





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Day 02	Date: 26 <sup>th</sup> February 2019 (Tuesday)
09:00 AM Onwards	Registration @ C-Quad Reception Desk
09:30 AM - 10:30 AM	Keynote-III (ACM Distinguished Lecture): <b>Puzzle-based learning in Cyber Security Education</b> 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 (IEE Distinguished Lecture, Computer Society): <b>Secure Fog Computing for Smart Living</b> Prof. (Dr.) Bruce McMillin, Missouri University of Science and Technology, USA   Venue: Seminar Hall
11:45 AM – 12:45 PM	Invited Talk-II: <b>Some Prospective Applications of Cognitive Radio in 5G Communication</b> Prof. (Dr.) Iti Saha Misra, Jadavpur University, Kolkata, India   Venue: Seminar Hall
01:00 PM – 02:00 PM	Lunch Break@ Marena
02:00 PM – 06:00 PM	ISCOMM 2019 Track: <b>Computer Vision and Machine Intelligence in Medical Image Analysis</b> Session Chair: Dr. Moumita Mukherjee, Adamas University, Kolkata, India   Venue: CA Lab
02:00 PM – 07:00 PM	Track-V: <b>Computer Vision and Image Processing</b>   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 – 07:00 PM	Track-IX: <b>Electrical and Electronics Devices and Power Systems</b>   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: <b>Machine Learning Paradigms for Text Analysis and Bio-Signal Processing</b>   Venue: PGR-I Lab Session Chairs: Dr. Kamal Sarkar, Jadavpur University, Kolkata, India and Dr. Annapurna P Patil, Ramaiah Institute of Technology, Bangalore, India
02:00 PM – 04:00 PM	Track-I: <b>Advanced Computational Paradigms</b>   Venue: PGR-II Lab Session Chair: Dr. Nibar Das, Jadavpur University, Kolkata, India





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

## Sponsors





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Day 03	Date: 27 <sup>th</sup> February 2019 (Wednesday)
09:00 AM Onwards	Registration @ C-Quad Reception Desk
09:30 AM - 10:30 AM	Invited Talk-IV (ISCMM 2019): <b>Human Inspired Artificial Intelligence: Challenges &amp; Opportunities</b> 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 V (ISCMM 2019): <b>Medical Image Analysis for Computer-Assisted Diagnosis System</b> Prof. (Dr.) Debotosh Bhattacharjee, Jadavpur University, India  Venue: Seminar Hall
11:45 AM – 12:45 PM	Invited Talk-VI (IEE Distinguished Lecture, I&M Society): <b>Intelligent Measurement Systems for Smart[er] Grids Control</b> 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-III (ISCMM 2019): <b>Role of Narrow Band Imaging in Early Diagnosis of Head and Neck Cancer</b> 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	<b>Track-VII: Adaptive Computation and Machine Learning  Venue: AP Lab</b> <b>Session Chair: Dr. Sreeparna Banerjee, West Bengal University of Technology, India</b>
02:00 PM – 06:00 PM	<b>Track-II: Networking and Data Communications  Venue: MP Lab</b> <b>Session Chair: Dr. Nabendu Chaki, University of Calcutta, Kolkata, India</b>
02:00 PM – 06:00 PM	<b>Track-VI: Computational Intelligence   Venue: PGR-I Lab</b> <b>Session Chair: Dr. Paramartha Dutta, Visva Bharati, University, Santiniketan, India</b>
02:00 PM – 06:00 PM	<b>Track-IV: Signal Processing and Communication Engineering   Venue: A PGR-II Lab</b> <b>Session Chair: Dr. Iti Saha Misra, Jadavpur University, India</b>
02:00 PM – 06:00 PM	<b>Special Track-IV: Next Generation Computing and Communication  Venue: CA Lab</b> <b>Session Chair: Dr. Jaya Sil, Indian Institute of Engineering Science and Technology, India</b>









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

<b>Day 04</b>	<b>Date: 28<sup>th</sup> February 2019 (Thursday)</b>
09:00 AM Onwards	<b>Registration @ C-Quad Reception Desk</b>
9:30 AM – 11:30 AM	<b>Special Track-VIII: Geophysical Remote Sensing and Geographic Information System   Venue: MP Lab</b> <b>Session Chair: Dr. Saurabh Das, Indian Institute of Technology, Indore, India</b>
9:30 AM – 10:30 AM	<b>Special Track-II: Human Computer Interaction, Mechatronics and Robotics  Venue: PGR I Lab</b> <b>Session Chair: Dr. Aakanksha Sharaff, National Institute of Technology, Raipur, India</b>
10:30 AM – 10:45 AM	<b>Tea Break @C Quad</b>
9:30 AM – 10:30 AM	<b>Special Track-VI: Material Science and Nano Technology  Venue: PGR II Lab</b> <b>Session Chair: Dr. Somenath Chatterjee, Sikkim Manipal Institute of Technology, India</b>
9:30 AM – 10:30 AM	<b>Special Track-VII: Graph, Geometric Algorithms and Applications  Venue: CA Lab</b> <b>Session Chair: Dr. Biswajit Deb, Sikkim Manipal Institute of Technology, Sikkim, India</b>
9:30 AM – 11:30 PM	<b>Track-VIII: Industrial Applications  Venue: AP Lab</b> <b>Session Chair: Dr. Hamada Naoki, Fujitsu Laboratories Ltd., Japan</b>
12:00 AM – 1:00 PM	<b>Valedictory Session @ Seminar Hall</b>
01:00 PM – 02:30 PM	<b>Lunch Break @ Marena</b>

