



**First International Conference on  
Advanced Computational and Communication Paradigms - 2017  
(ICACCP-2017)**



Organized by:  
**Department of Computer Science and Engineering  
Sikkim Manipal Institute of Technology, Sikkim, India  
Date: September 08-10, 2017**

ICACCP-2017 Schedule	
<b>Day 01</b>	Date: <b>08<sup>th</sup> September 2017 (Friday)</b>
08:30 AM Onwards	Registration Starts @ C-Quad Reception Desk
09:00 AM - 10:15 AM	Conference Inauguration @ Multipurpose Hall
10:15 AM - 10:45 AM	High Tea @ F Block
10:45 AM - 11:45 AM	<b>Keynote Speech-I: Wireless Computing, Human Computer Interaction and Future of Education</b> Dr. Shubhalaxmi Kher, Arkansas State University, USA  Venue: Multipurpose Hall
11:45 AM - 12:45 PM	<b>Keynote Speech-II: Cyber Security Challenges and Solutions for the Internet of Things</b> Dr. Biplab Sikdar, National University of Singapore, Singapore  Venue: Multipurpose Hall
12:45 PM - 1:30 PM	<b>Invited Talk-I: Publishing Ethics and Author Services</b> Mr. Aninda Bose, Springer (India) Pvt. Ltd.  Venue: Multipurpose Hall
01:30 PM - 02:30 PM	Lunch Break @ Marena
02:30 PM - 03:30 PM	<b>Tutorial-I: Bio-Mechatronics, Bio-Robotics and Human Machine Interaction</b> Dr. Subhasis Bhaumik, Indian Institute of Engineering Science & Technology, India Venue: Seminar Hall
03:30 PM - 04:30 PM	<b>Tutorial-II: Primary Interface: Cell phone - Device Technology</b> Dr. Somenath Chatterjee, Sikkim Manipal Institute of Technology, India Venue: Seminar Hall
02:30 PM - 04:00 PM 04:15 PM - 06:00 PM	<b>Track-II (AISC): Networking and Data Communications -I</b> Session Chair: Dr. Annapurna P Patil, Ramaiah Institute of Technology, Bangalore, India Paper Ids: 126, 220, 249, 275, 287, 367, 429, 479, 537
02:30 PM - 04:00 PM 04:15 PM - 06:00 PM	<b>Special Track-I (LNEE): Computational Perception, Cognition, Biomedical Engineering and Biotechnology</b> Session Chair: Dr. Tapan Kr. Gandhi, Indian Institute of Technology, Delhi, India Paper Ids: 102, 162, 199, 254, 314, 353, 409, 416, 464, 472, 483, 493, 523
02:30 PM - 04:00 PM 04:15 PM - 06:00 PM	<b>Track-IV (LNEE): Signal Processing and Communication Engineering</b> Session Chair: Dr. S. N. Pandey, Motilal Nehru National Institute of Technology, India Paper Ids: 14, 128, 139, 206, 289, 297, 300, 303, 398
02:30 PM - 04:00 PM 04:15 PM - 06:00 PM	<b>Track-VI (AISC): Computational Intelligence</b> Session Chair: Dr. Siddhartha Bhattacharyya, RCC Institute of Information Technology, India Paper Ids: 87, 194, 200, 265, 402, 405, 415, 440
02:30 PM - 04:00 PM	<b>Special Track-II (AISC): Human Computer Interaction, Mechatronics and Robotics</b> Invited Talk and Session Chair: Dr. Subhasis Bhaumick, Indian Institute of Engineering Science and Technology, Shibpur, India Paper Ids: 269, 284, 370, 525
04:00 PM - 04:15 PM	Tea Break





**First International Conference on  
Advanced Computational and Communication Paradigms -2017  
(ICACCP-2017)**



Organized by:  
**Department of Computer Science and Engineering  
Sikkim Manipal Institute of Technology, Sikkim, India  
Date: September 08-10, 2017**

Day 02	Date: 09 <sup>th</sup> September 2017 (Saturday)
09:00 AM Onwards	Registration Starts @ C-Quad Reception Desk
09:30 AM - 10:30 AM	<b>Keynote Speech-III: Advanced Computational Intelligence Methods-Design and Practical Applications</b> Dr. Valentina E. Balas, Aurel Vlaicu University of Arad, Romania  Venue: Multipurpose Hall
10:30 AM – 11:30 AM	<b>Invited Talk-II: Model Checking using Goal Models</b> Dr. Nabendu Chaki, University of Calcutta, India  Venue: Multipurpose Hall
11:30 AM – 11:45 AM	Tea Break @ F Block
11:45 AM – 12:45 PM	<b>Invited Talk-III: Fundamental Science is the Key to Technological Advancement</b> Dr. Tapan Kumar Gandhi, Indian Institute of Technology, Delhi, India  Venue: Multipurpose Hall
01:00 PM – 02:00 PM	Lunch Break @ Marena
02:00 PM – 03:00 PM	<b>Tutorial-III: Ethernet for Industrial Networks – Time Sensitive Networking</b> Mr. Avik Bhattacharya, Ixia Technologies Private Limited, India  Venue: Seminar Hall
03:00 PM – 04:00 PM	<b>Tutorial-IV: Solitonic, periodic and chaotic structures in plasmas</b> Dr. Prasanta Chatterjee, Visva Bharati University, India  Venue: Seminar Hall
02:00 PM – 04:00 PM 04:15 PM – 06:00 PM	<b>Track-II (LNEE): Networking and Data Communications –II</b> Session Chair: <b>Dr. Nabendu Chaki, University of Calcutta, India</b> Paper Ids: 262, 305, 359, 387, 425, 515
02:00 PM – 04:00 PM 04:15 PM – 06:00 PM	<b>Track-V (AISC): Computer Vision and Image Processing</b> Session Chair: <b>Dr. Sourav De, Coochbehar Engineering College, India</b> Paper Ids: 35, 155, 197, 278, 283, 313, 465, 509, 524, 530, 544
02:00 PM – 04:00 PM 04:15 PM – 06:00 PM	<b>Track-VII (AISC): Adaptive Computation and Machine Learning</b> Session Chairs: <b>Dr. Atma Sahu, Coppin State University, USA and Dr. Paramartha Dutta, Visvabharati University, India</b> Paper Ids: 21, 76, 114, 215, 218, 450, 453, 478, 522, 527, 532
02:00 PM – 04:00 PM 04:15 PM – 06:00 PM	<b>Track-III (AISC): Cyber Security and Data Forensics</b> Session Chair: <b>Dr. Debabrata Samanta, Dayananda Sagar Institute Of Technology, Bangalore, India</b> Paper Ids: 74, 135, 148, 152, 185, 214, 360, 388, 452, 461, 498, 500, 545
02:00 PM – 04:00 PM 04:15 PM – 06:00 PM	<b>Track-VIII (LNEE): Industrial Applications</b> Invited talk and Session Chair: <b>Mr. Avik Bhattacharya, Ixia Technologies Pvt. Ltd, India</b> Paper Ids: 58, 168, 180, 195, 211, 234, 244, 258, 274, 419, 437, 441, 496, 531
04:00 PM – 04:15 PM	Tea Break
07:00 PM – 08:30 PM	 <b>Cultural Program @Marena</b>





**First International Conference on  
Advanced Computational and Communication Paradigms -2017  
(ICACCP-2017)**



Organized by:  
**Department of Computer Science and Engineering  
Sikkim Manipal Institute of Technology, Sikkim, India  
Date: September 08-10, 2017**

08:30 PM – 09:30 PM	 <b>Banquet Dinner @Marena</b>
---------------------	---------------------------------------------------------------------------------------------------------------------

Day 03	Date: 10 <sup>th</sup> September 2017 (Sunday)
09:00 AM Onwards	Registration Starts @ C-Quad Reception Desk
09:30 AM - 10:30 AM	Keynote Speech-IV: <b>Dr. Bijaya Ketan Panigrahi, Indian Institute of Technology, Delhi, India</b>  Venue: Multipurpose Hall
10:30 AM – 11:30 AM	Invited Talk-IV: <b>Advancing Computational Mathematics Research and Teaching by Grant Writing</b> Dr. Atma Sahu, Coppin State University, USA  Venue: Multipurpose Hall
11:30 AM – 11:45 AM	Tea Break @ F Block
11:45 AM – 12:45 PM	Invited Talk-V: <b>Frequency domain correlation filters for object and face recognition</b> Dr. Asit Kumar Dutta, University of Calcutta, India  Venue: Multipurpose Hall
01:00 PM – 02:00 PM	Lunch Break @ Marena
02:00 PM – 04:00 PM	<b>Track I (AISC): Advanced Computational Paradigms</b> Session Chair: <b>Dr. Ratika Pradhan, Sikkim Manipal Institute of Technology, India</b> <b>Paper Ids: 53, 230, 266, 306, 383, 397, 414, 449, 474, 534, 540</b>
02:00 PM – 04:00 PM	<b>Track IX (LNEE): Electrical and Electronics Devices and Power Systems-I</b> Session Chair: <b>Dr. Somenath Chatterjee, Sikkim Manipal Institute of Technology, India</b> <b>Paper Ids: 4, 64, 123, 145, 179, 341, 435, 463, 470, 547</b>
02:00 PM – 04:00 PM	<b>Track IX (LNEE): Electrical and Electronics Devices and Power Systems-II</b> Session Chair: <b>Dr. Rabindranath Bera, Sikkim Manipal Institute of Technology, India</b> <b>Paper Ids: 54, 57, 264, 293, 463, 489, 521</b>
02:00 PM – 04:00 PM	<b>Special Track III (AISC): Big Data Analytics and Social Networking</b> Session Chair: <b>Dr. Samarjeet Borah, Sikkim Manipal Institute of Technology, India</b> <b>Paper Ids: 107, 201, 294, 326, 455, 456</b>
02:00 PM – 04:00 PM	<b>Special Track IV (LNEE): Material Science and Nano Technology</b> Session Chair: <b>Dr. Bibhuprasad Swain, Sikkim Manipal Institute of Technology, India</b> <b>Paper Ids : 173, 184, 226, 267, 350, 443, 480</b>
02:00 PM – 04:00 PM	<b>Special Track V (AISC): Non Linear Dynamics, Plasma Dynamics and Graph Theory</b> Session Chair: <b>Dr. Asit Saha, Sikkim Manipal Institute of Technology, India</b> <b>Paper Ids: 357, 368, 386, 396, 420, 426</b>
04:00 PM – 04:15 PM	Tea Break
04:15 PM – 05:00 PM	Valedictory Session@ Seminar Hall

