



International Conference On Social Transformation - Digital Way Proceedings of the 52nd Annual Convention Of Computer Society of India (CSI 2017)



Host: Kolkata Chapter

19-21, January, 2018

Venue: Science City, Kolkata

In Technical Collaboration with



Conference Chair: Dr. Goutam Mahapatra, DRDO, GOI, VP, CSI
Convenor: Mr. D. P. Sinha, RVP-II, CSI
Organising Chair: Dr Phalguni Mukherjee, CSI
Organising Co-Chair: Mr Subir Lahiri, CSI
Technical Programme Chairs:
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Dr. J. K. Mandal, University of Kalyani, India
Technical Programme Co-Chair: Dr. D. D. Sinha, Calcutta University
Finance Chair: Ms. Alakananda Rao, Alviri Systems
Finance Co-Chair: Mr Sourav Chakraborty, CSI
Exhibition Chair: Mr Sib Daspal, The Bengal Chamber & Sasha Group
Exhibition Co-Chair: Mr Gautam Hajra, CSI
Registration Chair: Mr Aniruddha Nag, CSI
Registration Co-Chair: Mr Abhijit Sarkar, JOBexo
Event Chair: Dr. Samir K Bandopadhyay, CU
Event Co-Chair: Dr. A K Mukhopadhyay, CSI
Publicity Chair: Dr Subhobrata Roychoudhuri, Techno University
Publicity Co-Chair: Dr Kaushik Roy, WBSU
Hospitality Chair: Dr Manas Kumar Sanyal, KU
Hospitality Co-Chair: Mr Subhranshu Roy, KU
Tutorial Chair: Dr Amlan Chakrabarti, CU
Tutorial Co-Chair: Dr Debasish Dey, MAKAUT
Tutorial Convenor: Dr Somnath Mukhopadhyay, Hiji College & RSC II

Advisory Committee(Partial)

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 Dr. Anirban Basu, Imd. Past President, CSI
 Dr. A. K. Nayek, Secretary, CSI
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Computer Society of India

Computer Society of India is the first and largest body of computer professionals in India. It was started on 6 March 1965 by a few computer professionals and has now grown to be the national body representing computer professionals. It has 72 chapters across India, 511 student branches, and 100,000 members.

The Computer Society of India is a non-profit professional meet to exchange views and information learn and share ideas. The wide spectrum of members is committed to the advancement of theory and practice of Computer Engineering and Technology Systems, Science and Engineering, Information Processing and related Arts and Sciences. The Society also encourages and assists professionals to maintain integrity and competence of the profession and fosters a sense of partnership amongst members. Besides the activities held at the Chapters and Student Branches, the Society also conducts periodic conferences, seminars.

Through the initiatives of Professor Rangaswamy Narasimhan, the first President, CSI has been in close liaison with International Federation for Information Processing (IFIP) since its inception in 1965, when observers from India attended the IFIP Council meeting. Computer Society of India brings out four international publications namely CSI Transactions on ICT (Springer), CSI Journal of Computing, CSI Communications and CSI Adhyayan. Computer Society of India (CSI), has implemented the concept of "Special Interest Groups" to promote activities and research in new focused areas. Various Special Interest Groups have been formed accordingly such as Special Interest Group on Start-ups for Digital India, Special Interest Group on Artificial Intelligence (SIGAI), Special Interest Group on eGovernance and Special Interest Group on Free and Open Source Software (CSI-SIG-FOSS). Computer Society of India regularly organizes workshops, seminars conventions, and technical talks for the benefit of professionals and users of IT apart from conducting continuing education and professional development programmes for a focussed audience of budding professionals, researchers and students. The CSI Annual Conventions are held in different cities across India. Among these, the National Conferences on Education and Research (ConFER) are the latest addition since the 2007-08 academic year. The CSI Annual Conventions, usually attracting 2000 plus participants have been held since 1965. Apart from technical sessions, tutorials and panels, a principal feature has been the Exhibition. The conventions held at Kolkata include CSI 66 (First Convention), CSI 78, CSI 86, CSI 90, CSI 94, CSI 2001, CSI 2006, CSI 2012.

Call for Papers

The theme of the CSI 2017 is "**Social Transformation - Digital Way**". It will cover all aspects of digital technology and machine learning in computer science and engineering, general science, educational research and management science. This convention will provide a platform to the participants to share their views and ideas on latest technological developments in an inter- and intra-disciplinary perspective. There will be total eight tracks for the international conferences.

Tracks of the Conference (not limited to)

- Mobile and Wireless Communication
- Nano Device Modelling
- Data Analytics
- Security and Forensics
- Digital Mapping in Environment
- Intelligent Bio Computing
- Digital Judiciary
- e-Learning and confidence based Learning
- Intelligent Data Mining

Conference Highlights

Keynote/Invited/Banquet Talks, Technical Paper Sessions, Student Research Forum, Panel Discussions, Demos & Exhibits, Mentoring Sessions

Important Dates :

Last date of submission: 15.10.2017; Date of Notification:30.11.2017; Camera Ready Submission and Registration: 25.12.2017

Submission guidelines: Paper length should be within 15 pages in the Springer CCIS one-column format. All submissions are required to follow the Springer stipulations and are subject to screening for plagiarism by iThenticate®. Double blind review system will be followed and each paper will be reviewed by at least three reviewers.

Formatting Guidelines: <http://www.springer.com/computer/lncs?SGWID=0-164-6-793341-0>

Submission link: <https://easychair.org/conferences/?conf=csi20170>

WikiCFP Link: <http://www.wikicfp.com/cfp/servlet/event.showcfp?eventid=66231>

Registration Fees :

Category of Delegates / Authors	Early Bird (On or before 10th October, 2017)		After 10 th October, 2017		Spot Registration(Only in Cash)	
	CSI Members	General	CSI Members	General	CSI Members	General
Indian Authors & Delegates(in INR) including GST						
Full time Students	1,800/-*	2,000/-*	2,300/-*	2,500/-*	2,300/-*	2,500/-*
Academician/Research Scholar	6,500/-	7,000/-	7,000/-	7,500/-	8,000/-	8,500/-
Industry/Govt./PSU	7,000/-	7,500/-	7,500/-	8,000/-	8,500/-	9,000/-
One Day Registration	3,000/-	3,500/-	3,500/-	4,000/-	4,000/-	4,500/-
Pre-convention Tutorial	INR 1,000 for authors and INR 1,500 for others					
Foreign Delegates	\$300 for Registration and \$ 100 for Tutorial					

***Including Tutorial Sessions**

Sponsorship	Platinum	Gold	Silver	Knowledge Partner	Academic Partner	Conference Kit	Conference Dinner	Cultural Program
Amount(Rs.)	15 Lakh	10Lakh	5Lakh	2.5Lakh	1Lakh	2 Lakh	2 Lakh	1Lakh

(I)Each paper should be registered separately with at least one full registration fee. (II) Papers only of student authors are eligible for Student registrations (proof needed). (III) Research scholars will not be considered as any category of student.

Email: csi2017kolkata@gmail.com **Accommodation: To be made on payment basis** **Convention Website:** www.csi2017.in

Group Registrations:

Student		Author		Delegate	
Group of 4 or 5	Group of 6 or more	Group of 4 or 5	Group of 6 or more	Group of 4 or 5	Group of 6 or more
Rs. 1800 Per Head	Rs. 1600 Per Head	Rs. 6500 Per Head	Rs. 6000 Per Head	Rs. 7000 Per Head	Rs. 6500 Per Head