

## **Special Session: Application areas of Information and Communication Technology**

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Topics of interest (but not limited to): Application of ICT in the areas of

- Health care
- Disaster Management
- Infectious Disease Control
- ICT Assisted Software Development etc

**Dr. Partha Sarathy Banerjee** had his B.E. and M.Tech. degrees in Computer Science and Engineering both from Birla Institute of Technology Mesra, Ranchi. He holds a Ph.D. in Computer Science and Engineering with the prestigious Visvesvaraya Ph.D. fellowship of Ministry of Electronics and Information Technology, MeitY, Government of India, being implemented by Digital India Corporation from National Institute of Technology, Durgapur, West Bengal. He started his career with Unit Trust of India Technology Services Limited, currently UTI Infrastructure Technology and Services Limited (UTIITSL), Govt. of India, Mumbai. After industry experience he decided to serve in academics and hence he joined the Department of Computer Science and Engineering, at Jaypee University of Engineering and Technology, Madhya Pradesh (a part of the Jaypee Group) India. He is working in the field of Natural Language Processing. His areas of interest include Natural Language Processing, unstructured data handling using NLP. He has designed Natural Language Information Interpretation and Representation System (NLIIRS) for MeitY Govt. of India. He has several publications in SCIE and SCOPUS Indexed journals. He is a life member of Institution of

Engineers India (IEI), Institution of Electronics and Telecommunication Engineers India (IETE), Computer Society of India (CSI).

**Dr. Ravi Kumar** did his Ph.D. from Department of Electronics and Communication Engineering, Jaypee University of Engineering & Technology, Guna in year 2013 with the specialization in MIMO Communication Systems and Smart Antennas. Before completion of his doctorate, he did his M.Tech. with honors from Madhav Institute of Technology & Science, Gwalior in Electronics and Communication with specialization in Microwave Engineering. He completed his Graduation with Bachelor of Engineering degree in Electronics and Communication Engineering from Rajiv Gandhi Technical University, Bhopal. He has Eight months Research Experience as Project Associate in Radio and Science Division (RASD) department at National Physical Laboratory, New Delhi where his topic was "Post Earthquake Rescue System and Real-time Data Acquisition" and one of the module was completed by him on Real-time Data Acquisition for the above given DST sponsored project under the Guidance of Scientist Dr.P.K.Banarjee (scientist-F). He has been serving in the field of teaching at Jaypee Institute of Engineering since August, 2005 and before joining here he had worked as lecturer at Madhav Institute of Technology & Science, Gwalior for one year. He has also remained at Managerial Post in Pentasoft Technologies Ltd., Bhopal Centre for one Year and four months. He had also been called by the Centre for Development of Telematic (C-DOT) for the project work of Eight months during his Post-Graduations. He is a Senior Member of Institute of Electrical and Electronics Engineers (IEEE), FELLOW MEMBER of Institute of Electronics and Telecommunication Engineers (IETE) and various other professional bodies. He has experience in working with MATLAB, Mathematica, HFSS, ADS, CST Studio, LABVIEW, IE3D, PUFF, MSTRIP40, C, etc. He has guided several undergraduate and graduate students for their research based project works. He has published several Research papers in referred Journals and conferences at International and National level including SCI and Scopus indexed journals.

**Dr. Deepak Sharma** received B.E. (Electronics and Tele-Communication) and M. Tech. (Microwave Engineering) Degree from Indira Gandhi Govt. Engg. College, Sagar and Madhav Institute of Technology and Science (MITS), Gwalior in 2003 and 2006, respectively. Before joining Jaypee University of Engineering and Technology (JUET), Guna, he works as a lecturer in Madhav Institute of Technology and Science (MITS), from 2006 to 2007. In 2007 July he joined JUET as a lecturer and now he is working as assistant professor (G-II) in department of Electronics and Communication Engineering. His research interests include Image Processing, Antenna Designing Digital Signal Processing and Integral Transforms. He has published more than 10 technical papers in international /national journals and conferences of repute.