

Call for the Papers/Abstracts for the Special Session on

Special Session Theme: Emerging Trends in Nanotechnology, Embedded Systems and Computing Sciences

Session Chairperson:

Dr.S.Vijayakumar, SITAMS (Autonomous), Chittoor Andhra Pradesh, India.

Dr.S.Mohan Kumar, New Horizon College of Engineering (Autonomous), Bangalore, India.

Aim: In the recent times Nanotechnology, Embedded Systems, IoT and Computing Sciences are facing revolutionary changes which cause the researchers and experts to update their skills. This special session offers a connecting node for academia, researchers and scientists across the world to share their thoughts, experiences and research results mutually about the developments, possibilities and scopes of Nanotechnology, Embedded and Computing Sciences. This event will make a bridge between researchers and scientists around the world to make a new relationship for a continuing research and enhance the knowledge. The academia, researchers, engineers and scientists from across the world will have an opportunity to exchange the novel ideas which is the aim of this special session. It will hence fulfill the future developments too.

Areas of Coverage (sub-themes)

The areas of coverage (but not limited to) for this special session are:

- Modeling and Simulation of Systems
- Computer Architecture
- Green Computing
- Internet of Things (IoTs)
- Parallel, Cloud, Grid, Distributed Computing
- Digital Signal and Image Processing
- High Performance Energy Efficient Computing (HPEEC)
- Optical, Wire(less), Mobile Com.
- Embedded Systems
- VLSI, Low Power
- Nanotechnology
- Computer Aided Design
- Software Engineering
- ASIC, FPGA, Hardware Development
- System on Chip
- Web Technology
- Device Simulation
- Magnetic Field, RF Microwave Eng.
- Quantum Cellular Automata
- Vision System

- Radar, Robotic Systems

- Data Mining, Machine Learning

Submit your original Full length paper for presentation and publication or Abstract only for presentation to dr.vijay-vlsi@ieee.org (Special Session Chair Email Address) along with a copy to iccmso2019@gmail.com.

Session Chairpersons Details



Dr.S.Vijayakumar is currently working as Professor/ECE at SITAMS (Autonomous), Chittoor Andhra Pradesh, India. He has post graduated in the field of M.Tech. - VLSI Design from VIT University, India in the year 2010. He has completed his research (Ph.D) at Anna University India. He is an active member in IEEE since 2014. He is volunteering in the activities of IEEE PSES Madras Chapter and coordinated in various events of the PSES Society as Treasurer in the year 2015-2016. Now he is the Secretary of the Society and elevated as Senior Member (2017). He is the member of other Professional Societies like IEICE, ISTE, IAENG and IRED. He has reviewed articles of Journals such as IEEE Transaction on VLSI, Taylor & Francis- Int. Journal of Electronics, Springer-Circuits, Systems and Signal Processing, IET-Electronics Letters, Taylor & Francis - Auto-Soft Journal. **Dr.S.Vijayakumar** has extended his support to academic by playing key role as Conference Session Chair/Technical Program Committee member and Jury for numerous technical conferences, symposium and workshops like NCS'2016-Beijing China, ICC-2016-Wuhan China, CEIS-2017 – Xiamen China, AICE-2017- Suzhou China, He has also chaired, Juried the Conferences and Symposiums such as ICCET, IIASE, PDCON, ICRAETPS in India. He has given invited and guest lectures on trending topics like VLSI Design (TEQIP Sponsored), Arduino Etymology, Outcome Based Education. He is involving himself to motivate the budding Engineers over 13 Years as an Academia and 5 Years in Industries. He is a recipient of VLSI Fellowship award given by IEEE and VLSI Society of India to attend the International Conferences twice during 2011 (IIT Madras, India) and 2014 (IIT Bombay, India). Dr.S.Vijayakumar has received best paper awards in the conferences held by IETE – Amity University, India during 2013 and ICSIE, Chennai - India during 2014. He has published his research articles over 28 research articles in Journals and Conference Proceedings. His areas of interest includes: VLSI Design, Micro & Nano-Electronics, Embedded Systems, Nano Technology, RF & Microwave Engineering.



Dr. S. Mohan Kumar M.E[CSE]., M.Tech[Software Engineering]., PhD[CSE] has two decades of experience in the fields of academic administration, research, Quality Assurance and also in educational consultancy. He has six years of experience as Head of the department IT/CSE. He is Microsoft Certified Professional in SQL Server. He is author of over 70+ scholarly research/ review papers, including 40+ reputed and peer reviewed international journal (Scopus/SCI/UGC) papers with 40+ Citation index and 10+ h-index. He has won several research paper awards in different National and International conferences and symposiums. He field around 9 patents. He is Member in 20+ leading professional Societies and Forums. He is reviewer and editorial board member/ Advisory board for 24 reputed/ UGC approved International/ National Journals and has published 5 Technical books in the field of Computer Science and Engineering. He received Young Achiever Award in the year 2016. He received Best Faculty Award in the year 2017. He received Best Faculty Award & Research Excellence Award 2018. He has won prizes and medals for his research contributions in National and International Research competitions. His current research interests include High Performance Computing, Image Processing, Machine Learning, Data Science and Analytics, Learning Systems, Algorithm Design for emerging Medical Image and Video data analysis and Advanced Network and Cyber Security. Presently he is guiding PG & PhD Scholars in the fields of Medical Image Processing, Edge Computing, Data Science and Internet of Things. He is an ISO 9001-2015-Quality Management System and 14001-2015 Environmental Management System – Certified -Lead -Auditor. Presently he is Associate Professor & R&D and Quality Assurance Co-ordinator of the Department of Information Science and Engineering, New Horizon College of Engineering, (Autonomous Institution, NAAC A grade, NBA- Accredited Institution, ISO Certified), Bangalore. His professional visits to many countries including Spain, Portugal, Russia, Germany resulted in better collaborations.

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