



IEEE

TENSYMP

JUNE 7-9, 2019, KOLKATA, INDIA

2019



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Program Co-Chairs:

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TRACK: SIGNALS AND SYSTEMS

Linear and nonlinear, 1D, 2D and multi dimensional signal processing, VLSI, ASIC and FPGAs, communication circuits and systems, Intelligent systems, distributed circuits and systems

Track Chair: Amitava Chatterjee
Jadavpur University
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Co-Chair: Debangshu Dey
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TRACK:
CONTROL SYSTEMS & APPLICATIONS

Non-linear Control, Stochastic Control, Intelligent control, Iterative learning and Repetitive control, Industrial Control, Applications of Control Theory in various fields.

Track Chair: Madhubanti Maitra

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Co-Chair: Kaushik Das Sharma

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A background image showing a white robotic hand on the left and a human hand on the right, with the robotic hand gently holding the human hand. The scene is set against a light gray background.

TRACK: ROBOTICS & MECHATRONICS

Innovations in theoretical robotics, serial and parallel robot design, path planning and control, Autonomous mobile and walking robot design, developments and innovations in robotics, swarm robotics, design and development of robot gripper, Biommetric robot

Track Chair: Ranjit Kumar Barai

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Co-Chair: Pratyusha Rakshit

Jadavpur University

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TRACK: POWER & ENERGY

- Mini, Micro, Smart and Future Power Grids, Wide Area Monitoring and Control of Power Systems, Power System Economics
- Grid interaction of Renewable Energy Sources, Dielectrics & High Voltage Systems, Energy Storage Systems,
- Modelling, analysis and design of Electrical Machines and Electromagnetic Devices, FACTS Controllers and HVDC Systems
- Power Converters, Power Quality, EMI and EMC issues in Power Electronic Systems, improvement of Power quality etc

Track Chair: Prasad Syam

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Co-Chair: Abhinandan De

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and Technology

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TRACK:
**COMPUTATIONAL BIOLOGY AND
BIOMEDICAL INFORMATICS**

- Bioinformatics, Immuno-informatics, Metabolomics, Genomics, Proteomics, Transcriptomics.
- Systems Biology, Disease Analysis, Healthcare Informatics, Medical Image Analysis, Bioengineering

Track Chair: Rajat K. De
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Co-Chair: Malay Bhattacharyya
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TRACK: MACHINE LEARNING AND DATA ANALYTICS

- Statistical learning, deep learning, ensemble methods, nature inspired learning, learning theory, probabilistic models and transfer learning.
- ML techniques healthcare, manufacturing, retail, education, transportation, and commerce.

Track Chair: Utpal Garain
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Co-Chair: Snehasis Banerjee
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TRACK: COMMUNICATION SYSTEMS

5G & protocol, Sensors and actuators, IoT, Dynamic sensor networks, Information retrieval using Machine Learning, Vehicle tracking system, Big Data and self-organized networking, Mobile Data analytics, Quantum communication, Cognitive Radio, Radar waveforms for Aerospace system, RF system for wireless applications, 3D Beamforming, antenna & applications, Millimeter wave system design.

Track Chair: Salil Kumar Sanyal
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Co-Chair: Sayan Chatterjee
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TRACK: COMPUTATIONAL INTELLIGENCE

To cover different areas of computational intelligence which includes but is not limited to fuzzy systems, evolutionary computation, artificial neural networks, Bayesian learning, support vector machines, self-organizing systems and hybrid intelligence systems

Track Chair: Paramartha Dutta
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Co-Chair: Anirban Mukhopadhyay
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TRACK: EMERGING TECHNOLOGIES

Nano-electronics, Memristors, MEMS, 3D-IC, Intelligent Hardware and Systems, Automotive Systems, Neuromorphic Computing, Quantum, Computing, Microfluidic Biochips

Track Chair: Bhargab B. Bhattacharya
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Technological Innovation for Humanity



IEEE REGION 10 SYMPOSIUM (TENSYPMP), 2019 7-9 JUNE, 2019 | KOLKATA, INDIA

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Important Dates:

Paper submission opens

1st October, 2018

Paper submission deadline

23rd January, 2019

Notification of acceptance

28th February, 2019

Final manuscript submission

15th March, 2019

Dear Colleagues:

The IEEE Region 10 Symposium (IEEE TENSYPMP 2019) will be held in Biswa Bangla Convention Centre, Kolkata India, from June 7 to 9, 2019. TENSYPMP is a prestigious technical conference of IEEE Region10. Paper submission opens on 1st October, 2018 from 10-00 hrs (IST). Prospective authors are invited to submit paper via conference website or by clicking onto the link given below:

<http://ewh.ieee.org/r10/calcutta/tensymp2019/index.html>

Prospective authors are invited to submit full paper with four to six pages in double-column IEEE conference format via the conference website. More information about paper format and guidelines for paper submission can be found at the conference website. The conference proceedings will be submitted to the IEEE Xplore® digital library.

The paper submission for the conference can be made in the following tracks:

Track-I: Signals and Systems

- linear and nonlinear, 1D, 2D and multi dimensional signal processing, VLSI, ASIC and FPGAs,
- communication circuits and systems, Intelligent systems, distributed circuits and systems

Track-II: Control Systems & Applications

- Non-linear Control, Stochastic Control, Intelligent control, Iterative learning and Repetitive control, Industrial Control
- Applications of Control Theory in various fields.

Track-III : Robotics & Mechatronics

- Innovations in theoretical robotics, serial and parallel robot design, path planning and control, Autonomous mobile and walking robot design, developments and innovations in robotics, swarm robotics, design and development of robot gripper
- Biomimetic robot design and development

Track-IV: Power & Energy

- Mini, Micro, Smart and Future Power Grids, Wide Area Monitoring and Control of Power Systems, Power System Economics
- Grid interaction of Renewable Energy Sources, Dielectrics & High Voltage Systems, Energy Storage Systems,
- Modelling, analysis and design of Electrical Machines and Electromagnetic Devices, FACTS Controllers and HVDC Systems
- Power Converters, Power Quality, EMI and EMC issues in Power Electronic Systems, improvement of Power quality etc

Track-V: Computational Biology and Biomedical Informatics

- Bioinformatics, Immuno-informatics, Metabolomics, Genomics, Proteomics, Transcriptomics.
- Systems Biology, Disease Analysis, Healthcare Informatics, Medical Image Analysis, Bioengineering

Track-VI: Machine Learning and Data Analytics

- Statistical learning, deep learning, ensemble methods, nature inspired learning, learning theory, probabilistic models and transfer learning.
- ML techniques healthcare, manufacturing, retail, education, transportation, and commerce.

Track-VII: Communication

- 5G& protocol, Sensors and actuators, IoT, Dynamic sensor networks, Information retrieval using Machine Learning, Vehicle tracking system, Big Data and self-organized networking, Mobile Data analytics, Quantum communication, Cognitive Radio, Radar waveforms for Aerospace system, RF system for wireless applications, 3D Beamforming, antenna & applications, Millimeter wave system design.

Track-VIII: Computational Intelligence

- To cover different areas of computational intelligence which includes but is not limited to fuzzy systems, evolutionary computation, artificial neural networks, Bayesian learning, support vector machines, self-organizing systems and hybrid intelligence systems

Track-IX: Emerging Technologies

- Nano-electronics, Memristors, MEMS, 3D-IC, Intelligent Hardware and Systems, Automotive Systems, Neuromorphic Computing, Quantum, Computing, Microfluidic Biochips

Early Bird Registration Fees:

	Indian Delegates	Foreign Delegates
IEEE Member :	INR 13000	USD 375
Non-IEEE Member :	INR 15000	USD 400
Student: (IEEE Member)	INR 10000	USD 275
Student: (Non-IEEE Member)	INR 11000	USD 300