



IEEE

TENSYMP

JUNE 7-9, 2019, KOLKATA, INDIA

2019



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Indian Statistical Institute

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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
Jadavpur University
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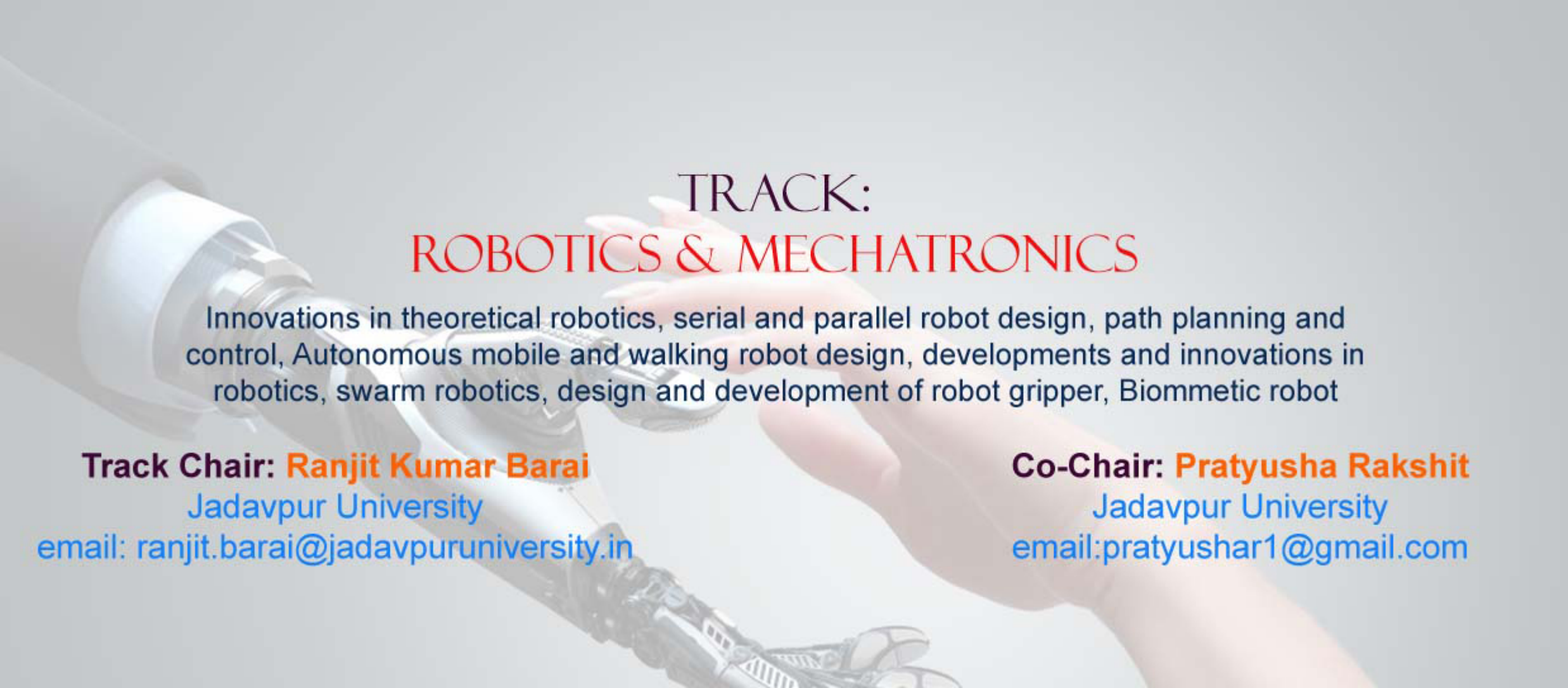


TRACK: CONTROL SYSTEMS & APPLICATIONS

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
Jadavpur University
email: madhubanti.maitra@hotmail.com

Co-Chair: Kaushik Das Sharma
University of Calcutta
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A background image showing a white robotic arm on the left reaching out to shake a human hand on the right. The text is overlaid on this image.

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, Biomimetic robot

Track Chair: Ranjit Kumar Barai

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Co-Chair: Pratyusha Rakshit

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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: Prasid Syam

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and Technology

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Co-Chair: Abhinandan De

Indian Institute of Engineering Science
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
Indian Statistical Institute
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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
TCS Innovation Laboratory
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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

University of Kalyani

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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 (TENSYP), 2019

7-9 JUNE, 2019 | KOLKATA, INDIA

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Srishti Kumari, GIET

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 TENSYP 2019) will be held in Biswa Bangla Convention Centre, Kolkata India, from June 7 to 9, 2019. TENSYP 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

Venue: Biswa Bangla Convention Centre, New Town, Kolkata, India.