



# International Conference on Modelling, Simulation & Intelligent Computing (MoSiCom 2020 Dubai) January 29 - 31, 2020 Call For Papers

BITS-Pilani Dubai Campus invites delegates from academia and industry to be a part of three days mega event to showcase their research work. The conference focuses on the following tracks:-

### Track 1: Data Science & Engineering

- Big Data Analytics
- High Performance Computing
- Computational Biology & Bioinformatics
- Data Centric Programming
- Data Modeling & Semantic Engineering
- Data, Text, Web Mining, & Visualization
- Domain Specific Data Management
- Knowledge Engineering

### Track 2: Computational Intelligence

- Data Mining
- Neural Networks and Deep Learning
- Meta Heuristic Algorithms
- Machine Learning
- Business Intelligence
- Human Computer Interface
- Crowd Sourcing & Social Intelligence
- Fuzzy Logic

### Track 3: Communication and Networking

- Green Communications
- Wireless Communications and Networks
- Optical Communications and Networks
- Modulation and Coding Techniques
- Ad-hoc, Mesh and Sensor Networks
- Vehicular Networks
- Cellular Networks

### Track 4: Signal and Image Processing

- Image / Video / Multimedia Signal Processing
- Audio / Speech / Spoken Language Processing
- Digital & Multirate Signal Processing
- Signal Processing Algorithms and Architectures
- Pattern Recognition and Object Tracking
- Compressive Sensing and High-D-mensional Statistics

### Track 5: RF Circuits, Systems and Antennas

- Antennas, Propagation and Computational EM
- RF/Millimeter-wave Circuits and Systems
- THz, mmWave and RF Systems for Communications
- Materials and Structures
- Microwave Metrology
- RF and Microwaves in Medicine and Biology

### Track 6: Devices, Circuits, Materials and Processing

- Electronic Devices, Materials and Fabrication Process
- Device Modeling & Characterization
- Advanced CMOS Devices and Process
- Beyond CMOS Device Technology
- Emerging Memory Technologies
- Analog and Mixed Signal ICs
- MEMS and Semiconductor Sensors

### Track 7: Power, Energy and Power Electronics

- Power Generation, Transmission and Distribution
- Renewable Energy Sources and Technology
- High Voltage Engineering, HVDC-FACTS
- Switching Circuits & Power Converters
- Power System Monitoring, Control and Protection
- Micro Grids & Distributed Generation
- Control Communication and Monitoring of Smart Grid
- Energy Storage Systems

### Track 8: Robotics, Control, Instrumentation and Automation

- Humanoid Robots
- Mobile Robotics
- Space and Underwater Robots
- Control System Modeling
- Intelligent Control, Neuro-control, Fuzzy Control and their Applications
- Networked Control Systems
- Instrumentation Systems
- Industrial Automation

### Track 9: Biomedical Engineering and Healthcare Technologies

- Biomedical Signal Processing and Instrumentation
- Wearable Sensors for Healthcare Monitoring
- Biomedical Imaging
- Micro/Nano-bioengineering and Cellular/Tissue Engineering & Biomaterials
- Computational Systems, Modeling and Simulation in Medicine
- Biomedical and Health Informatics

### Special Track

- Computational Neuroscience
- AI for Healthcare
- Smart cities
- Electric Vehicles
- Computational Intelligence in biomedical applications
- Block chain and its applications
- Human- Machine Interface

### PAPER SUBMISSION & PUBLICATIONS

Authors are invited to submit their conference papers through EasyChair

<https://easychair.org/conferences/?conf=mosicom2020>



All submitted papers will be blind reviewed by competent reviewers. Accepted and registered papers will be published in Springer publication series "Lecture Notes in Electrical Engineering".

**\*\* Indexing: The books of these series are submitted to ISI Proceedings, EI-compendex, SCOPUS, MetaPress, Web of Science and Springer link.\*\***

### IMPORTANT DEADLINES

- 30/Sept/2019 : Paper Submission Deadline
- 30/Nov/2019 : Acceptance Notification
- 11/Dec/2019 : Early Bird Registration Deadline
- 20/Dec/2019 : Deadline for Camera Ready Paper
- 31/Dec/2019 : Registration Deadline

### REGISTRATION FEES

Participant Profile	Early Bird	Regular
Delegates from Industry	300 USD	350 USD
Delegates from academia (Faculty, Post-Doc) & RnD Organisations	250 USD	300 USD
Research Scholars (PhD/ Masters)	150 USD	200 USD
Student Delegates (Bachelors)	100 USD	125 USD

### CONTACT DETAILS

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