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ABOUT KERALA & ATTRACTIONS

Beautiful Hill Stations

The hill stations of Kerala has fascinated millions of people from the various geographical locations around the world. From Munnar's expansive tea gardens to Vagamon's unspoilt meadows, there are plenty of places to visit in Kerala that are far removed from urban chaos. Home to dense forests which are marked by walking trails and scenic verdant valleys, these hill stations have spectacular landscapes and a salubrious climate throughout the year.

Rich Cultural Heritage

In ancient times, it was scent spices that lured merchant ships from as far away as Phoenicia, Egypt, Babylon, Assyria and China, all willing to brave the currents of the high seas just to land on Kerala's shores. They were followed by the Arabs and the Europeans — including the Portuguese, Dutch and British — all of whom marched in after Vasco da Gama established the route from Europe by sailing around Africa's Cape Of Good Hope.

Tremendous Temple Rituals

Kerala is a land of arts and festivals. The southern Keralan art form of kathakali is a highly stylised and elaborate form of temple dance, mime and theatre and is understandably renowned. Apart from kathakali, the northern part of Kerala is famous for theyyam, a unique and ancient temple ritual that combines dance, religion, mysticism and ancestor-worship.

To sum up, Kerala is unquestionably a dream destination. The state charms its guests with its old-fashioned settlements, unspoilt coastline, rolling hills and valleys, lush green coconut groves and a spiced perfumed air everywhere you go.

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TENCON 2019

17-20 October 2019 | Kochi, Kerala

Call for Special Session Proposals and Paper Submissions

IEEE
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KERALA SECTION

IEEE region 10

TECHNOLOGY, KNOWLEDGE, AND SOCIETY

TENCON is a premier international technical conference of IEEE Region 10. The Theme for TENCON 2019 is **Technology, Knowledge, and Society** and it will be held on 17th to 20th October 2019 at Hotel Grand Hyatt, Lulu Convention Centre, Bolgatty, Kochi, India.

TENCON 2019 at **God's Own Country** is expected to bring together researchers, educators, students, practitioners, technocrats and policymakers from across academia, government, industry and non-governmental organizations to discuss, share and promote current works and recent accomplishments across all aspects of its theme. Distinguished dignitaries including IEEE Global President, IEEE Region 10 Director, Leading academicians, Chief of many Government departments, Public sectors and R&D centers are expected.

CALL FOR PAPERS

TECHNOLOGY

The growth of the world revolves around the technology by which it was built. At TENCON, participants are given the platform to interact with professionals who wield advancing technology to overcome the different issues faced by the world. Its important to understand emerging technologies, and hence TENCON facilitates this learning.

KNOWLEDGE

As many say, knowledge is power. At TENCON, this power is limitless as it flows between speakers and participants. They would be equipped with better understanding and knowledge, which gives them the means to create their ideas into physical products. Hence, it widens their horizon and fuels the curiosity within.

Special Sessions, Tutorials and Workshops

The regular sessions in the following tracks will be combined with tutorials, special sessions and workshops. Tutorials will be aiming at the dissemination of mature knowledge and technology advances in the field and Special sessions & workshops will be offering the opportunity for a more focused exchange of ideas and presentation of ongoing research.

Prospective organizers are invited to submit proposals for Workshops and Special Sessions and prospective authors are invited to submit full paper, via the conference website http://www.tencon2019.org.

More information about paper submission and guidelines for the organizers of Workshops and Special Sessions can be found at the conference website. The conference proceedings will be submitted to the IEEE Xplore® digital library. In addition, extended versions of selected papers will be considered for publication in journals indexed in SCI, SCI-E and Scopus.

Regular Session 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: Computing Technologies
- Algorithms
- Programming Languages
- Computing Architectures and Systems
- Computer Graphics, Vision and Animation
- Software and Database System
- Multimedia Engineering
- Networks, IoT and Cyber Security
- Cluster, Cloud, & Grid Computing

Track 3: Computational Intelligence
- Data Mining
- Neural Networks and Deep Learning
- Meta heuristic algorithms
- Machine Learning
- Business Intelligence
- Human Computer Interface
- Crowd Sourcing & Social Intelligence

Track 4: Communication & 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 5: Signal & 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-Dimensional Statistics

Track 6: 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 7: 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 8: 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 System

Track 9: 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 10: 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

IMPORTANT DATES

Papers submission

Submission Deadline : **April 20, 2019**
Paper Notification Date : **July 20, 2019**
Camera-Ready : **August 30, 2019**

Special sessions & Workshops proposals

Proposal Deadline : **March 15, 2019**
Notification : **March 30, 2019**