

## About REVA University

The REVA Group of Educational Institutions was established by Rukmini Educational Charitable Trust, a unit of Divyasree, in the year 2002, located in Bengaluru, India. The trust is led by Dr. P. Shyama Raju, a great visionary and philanthropist, who is also the Chancellor of REVA University. REVA Institute of Technology and Management (REVA ITM) was started in the year 2004. Later, REVA ITM is merged with REVA University in the year 2014. REVA University is established under the Government of Karnataka Act 80 of the year 2012 and notified in the Karnataka Gazette dated 7 Feb. 2013. The University is located 14 kms away from the Kempegowda International Airport on the way to Bengaluru city. The university has a sprawling lush green campus spread over 45 acres of land equipped with state-of-the-art infrastructure and conducive environment for higher learning.

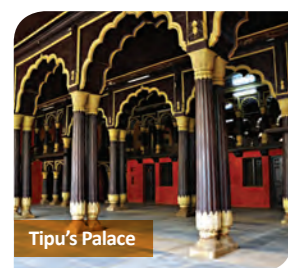


## Nearby Attraction

Bengaluru, is the state capital of Karnataka and one of the most attractive modern cities in India. It has grown into the fifth largest metropolis of India. The city is famous for its beautiful parks, avenues, impressive buildings, heritage centers and excellent shopping. These qualities make it a magnificent place to visit, a delightful destination in its own right as well as the gateway to Southern India.

Located at an altitude of 920m (3021ft) above sea level, Bangalore has a moderate and pleasant climate throughout the year. During summers the temperatures reach a maximum of 27°C. Winters are colder when the temperature goes down to 20°C. Bangalore enjoys both southwest and northeast monsoons. October and November are the wettest months. The Monsoons are from June-Sept.

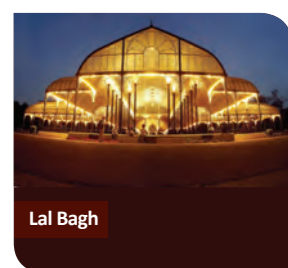
Bangalore has a modern International airport that connects most of the major cities of the country and the world. The city is extensively connected by rail and road to all parts of India.



Tipu's Palace



Jawahar Lal Nehru Planetarium



Lal Bagh



Wonder-La



Bannerghatta National Park



Bangalore Palace

## CONTACT US

### Registration and General Enquiries:



Aarthy (Ms)  
SmartTechCon 2017 Secretariat  
c/o: C & M Consultants  
e: secretariat@smarttech-conference.org

### Technical Enquiries

Prof. Dr. S.K. Niranjana  
General Chair(s) – SmartTechCon 2017  
e: chair@smarttech-conference.org



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## IEEE Technically Sponsored INTERNATIONAL CONFERENCE ON SMART TECHNOLOGIES FOR SMART NATION

SmartTechCon2017

17-19 August 2017

REVA University, Bengaluru, India

IEEE technically co-sponsored International conference on Smart Technologies For Smart Nations focuses on all technical and practical aspects of Smart Technologies For Smart Nations. The goal of this conference is to bring together researchers and practitioners from academia and industry to focus on understanding recent developments this arena, and establishing new collaborations in these areas. Conference papers will illustrate research results, projects, surveying works and industrial experiences that describe significant advances in the areas of Smart Technologies For Smart Nations & its applications.

# CALL FOR PAPERS

*All accepted and presented papers are eligible for submission to the IEEE Xplore Digital Library.*

IEEE Conference Record # 41985  
IEEE Part Number: CFP17M14-ART  
IEEE ISBN: 978-1-5386-0568-4

## KEY DATES

Paper Submission Deadline	: 1 June 2017
Notification of Acceptance	: 1 July 2017
Author Registration Deadline	: 15 July 2017
Final Paper Upload Deadline	: 31 July 2017
Conference	: 17-19 August 2017

[http:// smarttech-conference.org](http://smarttech-conference.org)

## Power, Energy and Power Electronics (PEPE)

- Power Generation, Transmission and Distribution
- Wireless Power Transfer and Energy Harvesting
- Renewable Energy Sources and Technology
- High Voltage Engineering, HVDC-FACTS
- Switching Circuits and Power Converters
- Power System Monitoring, Control and Protection
- Power Quality
- Grid Impact of Large-Scale Renewable
- Micro Grids and Distributed Generation
- Solar, Wind, Hydro, Fuel Cells and Utility Interface Issues
- Control Communication and Monitoring of Smart Grid
- Energy Storage System
- Motors and Drives
- Forecast and Power Management of Renewable Sources in a Micro Grid

## Signal and Image Processing (SIP)

- Signal Processing
- Image Processing
- Video Processing
- Pattern Recognition and Object Tracking
- Audio and Electro-acoustics

## Communication Systems (CS)

- Antennas, Propagation and Computational EM
- RF/Millimeter-wave Circuits and Systems
- Wireless Communications and Networks
- Optical Communications
- Modulation and Coding Techniques

## Computational Intelligence (CI)

- Neural Networks
- Fuzzy Systems
- Swarm and Evolutionary Computation
- Machine Learning

## Computing Technologies (CT)

- Computing Architectures and Systems
- Software and Database System
- Graphics and Animation
- Multimedia Engineering
- Network and Cyber Security

## Devices, Materials and Processing (DMP)

- Electronic Devices and Materials Processing

- Nano-electronics
- Power Electronic Devices and Components
- Analog and Mixed Signal ICs

## Biomedical Engineering (BE)

- Biomedical Signal Processing and Instrumentation
- Wearable Sensors for Healthcare monitoring
- Biomedical Imaging

## Emerging Technologies (ET)

- 3D Printing/Flexible Electronics
- Internet of Things
- (Big) Data Analytics

## Transportation Technologies (TT)

- Aerospace Technologies
- Marine and Offshore Engineering
- Intelligent Transportation Systems

## Other Technologies (OT)

- Robotics, Control, Instrumentation and Automation
- Photonic Technologies
- Lasers, Amplifier and Detectors
- Humanitarian Technologies

## Database System (DS)

- Big Data
- Data Engineering
- Data Mining
- Data Warehousing
- Database Management Systems
- Knowledge Discovery
- Web Mining

## Software Engineering (SE)

- Agent Oriented Software Engineering
- Agile Software Engineering
- Component-Based Software Engineering
- Computer Aided Software Engineering
- Dependable Systems Design
- Software Architectures
- Software Dependability Evaluation
- Software Design Patterns
- Software Development Tools
- Software Economic
- Software Metrics
- Software Project Management
- Software Quality Assurance

- Software Reliability
- Software Reuse
- Software Reverse Engineering
- Software Testing
- Software Testing Tools
- Software Verification and Validation Techniques
- UML, OO Modeling

## Data Communication and Networking (DCN)

- Agents
- Cloud Computing
- Computer Networks
- Cryptography
- Data Communications
- Grid Computing
- Information and Network Security
- Mobile Computing
- Network Management
- Services Oriented Architecture
- Storage Area Networks
- Wireless Communication

## IoT

- Internet of Things Architecture
- Interoperability of IoT systems
- Social Acceptance of IoT Systems
- Physical world event processing
- Mobile IoT
- Smart and urban mobility
- IoT device or circuit design
- IoT applications and services
- Architecture and systems design
- Interface and control systems
- IoT analytics
- Security of Things
- Consent acquisition and ethics in IoT
- Human-Computer Interaction and privacy in IoT
- Location privacy in IoT
- IoT and Human-Data Interaction
- Cognitive IoT
- IoT based e-Commerce
- Smart City Applications
- Crowd Sensing and Management
- Smart Grids and Energy Management
- Intelligent Transport and Applications

## SYMPOSIUMS

### International Symposium on

- Brain Data Mining (SBDM 2017)
- Computer Vision & Pattern Recognition (CVPR 2017)
- Human Computer Interaction (HCI 2017)
- High Performance Computing (HPC 2017)
- Vehicular Technology and Intelligent Transportation Systems (VTITS 2017)
- Advances in VLSI Technology (VLSI 2017)
- Wireless Sensor Network and IOT Applications (WSN & IOT 2017)
- Smart Health Care Applications (SHCA 2017)
- Data Science and Big Data Analytics (DS & BDA 2017)
- Machine Learning and Applications (MLA 2017)
- Recent Advancements in Computing and Data Mining (RACDM 2017)
- Underwater Communication and Networking (UCN 2017)

## SPECIAL SESSIONS

- SS01: Radio Frequency Identification (RFID)
- SS02: Power Electronics and Drives
- SS03: Computer Vision and Machine Learning
- SS04: Wearable Medical Devices and Healthcare Computing
- SS05: Smart and Ubiquitous Computing for Vehicle Navigation Systems
- SS06: Women in Engineering (WIE)
- SS07: Computer Graphics, Vision and Imaging
- SS08: Privacy and Security Challenges in ICT for Smart Nation
- SS09: Methodologies for VLSI System Optimization and Recent Advances

Papers from other topics relevant to Smart Technologies are also welcome.

## Paper Submission

<http://smarttech-conference.org/2017/submission.html>

### You're Invited!

If you wish to organize a **symposium** or a **special session**, please write to : [chair@smarttech-conference.org](mailto:chair@smarttech-conference.org).

If you have someone to recommend to consider as **Invited Presenter**, please email their names and email id.

## SPEAKERS

### Keynote / Plenary / Tutorial Speakers



#### Prof. Dr. Daniel Thalmann

Founder of The Virtual Reality Lab (VRLab) at EPFL, Switzerland



#### Dr. A. Ivaro Rocha

Information Systems and Software Engineering  
AISTI & University of Coimbra, Portugal



#### Dr. Jacek Mandziuk

Faculty of Mathematics and Information Science  
Warsaw University of Technology  
Koszykowa 75, 00-662 Warszawa, Poland



#### Dr. Thinakaran Perumal

Chair: IEEE Consumer Electronics Society, Malaysia & Unit Head: Cyber-Physical Systems, Universiti Putra Malaysia, Malaysia.



#### Prof. Dr. Ing. Jagdish Raheja

Prof. AcSIR & Sr. Principal Scientist Central Electronics Engineering Research Institute (CSIR-CEERI), Pilani  
Academy of Scientific and Innovative Research, Digital Systems Group (CEERI), India.



#### Prof. Dr. Nadia Magnenat

Director, Institute for Media Innovation  
School of Computer Engineering,  
Nanyang Technological University, Singapore



#### Assoc. Prof. Dr. Aduwati Sali

Department of Computer Science and Communication Systems  
Faculty of Engineering, Universiti Putra Malaysia  
- Chair, IEEE Young Professionals, Malaysia, 2015  
- Secretary, IEEE Communication Society (ComSoc), Malaysia, 2015  
- 10+ Awards in Satellite Communications as Invited Expert.



#### Dr. Madhan Kumar Srinivasan

Associate Vice President - Analytics Advisory and Cloud & Big Data  
Analytics Product Offerings Lead  
Accenture Innovation Center for Analytics, Bangalore  
Founder Member, Cloud Computing Innovation Council of India (CCICI)  
"Top 100 Scientist 2014 Award" by IBC, Cambridge, UK  
"Cloud Tech Guru Award" by Infosys Ltd, India



#### Dr. Pethuru Raj

Enterprise Architecture (EA) Consultant  
Wipro Technologies  
Bangalore, India



#### Prof. Dr. Vivek S. Deshpande

Department of Computer Engineering,  
VIT College of Engineering,  
Pune, India

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