

# 7<sup>TH</sup> INTERNATIONAL CONFERENCE ON ADVANCES IN COMPUTING & COMMUNICATIONS

(ICACC 2017)

22 - 24, August 2017

Venue: Rajagiri School of Engineering & Technology (RSET), Kochi, India

[www.acc-rajagiri.org](http://www.acc-rajagiri.org)

# ICACC



**RSET**  
RAJAGIRI SCHOOL OF  
ENGINEERING & TECHNOLOGY



## 7<sup>th</sup> ICACC

It is with great pleasure that Rajagiri School of Engineering & Technology, Cochin is announcing its flagship international conference. Held over the past six years consecutively and sponsored by IEEE, the International Conference on Advances in Computing and Communications - 2017 (ICACC2017) (<http://acc-rajagiri.org/>) is scheduled on the 22nd, 23rd and 24th of August 2017. ICACC is an integrated & multifaceted forum for the presenting advances and discoveries in the fields of computing, communications and technology research. This conference intends to bring together leading academicians, scientists, researchers and scholars in the domain of interest with attractive workshops and invited sessions.

## Conference Theme

The theme chosen by ICACC 2017 for this year's conference is "Disruptive Technologies". This conference aims at bringing out the everywhere computing and communication concepts for the upbringing of better and smarter world with smarter technologies. The conference has been conducted in the previous years with a strict review process in consideration with the motto of RSET- "Learn, Serve, Excel". All its technical papers are reviewed by a panel of national and international experts with an average acceptance rate - 15%. In addition we have workshops & tutorials relevant to the industry & academia, and well known speakers for the plenary and invited sessions during the conference.

## Conference Committees

### Patron

- Rev. Fr. Jose Alex Oruthayapally CMI

### General Chairs

- Dr. Mark Gahegan, University of Auckland, New Zealand
- Dr. A. Unnikrishnan, RSET, India

### Program Chairs

- Dr. Varghese Paul, RSET, India
- Dr. Jimson Mathew, IIT, Patna, India

### Track Chairs

- Dr. Lillykutty Jacob, NITC, India Track Chair - Communication
- Dr Mohan Jacob, James Cook University, Australia - Communication
- Dr. Ramesh Sankarnarayana,  
Australian National University - Computing
- Dr. John Jose, IIT, Guwahati - Computing

### Event Chairs

- Mr. Biju Paul, RSET, India

### Publication Chairs

- Dr. Mark Gahegan, University of Auckland, New Zealand
- Dr. Fr. Jaison Paul Mulerikkal, RSET, India

### Finance Chair

- Mr. Binu A, RSET, India

## Call for Papers

Technical papers describing original, previously unpublished results are solicited in all areas of theory and practice of Computing, Communication and Information Technologies. Authors are invited to submit papers through EasyChair Conference Management System

(<https://easychair.org/conferences/?conf=icacc20170>).

ICACC 2017 Proceedings will be published by Elsevier Procedia Computer Science and the publication will be made available on sciencedirect.com in perpetuity with a free access to the worldwide audience. Elsevier Procedia Series is Scopus and CPCI indexed and publishes high-quality papers from leading conferences.

Selected extended version of the papers will be published in Special issue of Indian Journal of science & technology (<http://www.indjst.org/>). It is one of the UGC recommended mandatory journals and also indexed by web of science.

## Keynote Speakers

Prof. Mark Gahegan, University of Auckland, New Zealand  
Prof. Dr.-Ing. Jurgen Trost, Professor, Aalen University, Germany  
Mr. Jordi Blasco Pallares, HPCNow!, Auckland, New Zealand  
Mr. Sunil Issac, Ericsson, Malaysia

## Pre Conference Workshop

**High Performance Computing**  
Mr. Jordi Blasco Pallares, HPCNow!, Auckland, New Zealand  
**Multi Core Architecture**  
Dr. John Jose, Asst. Professor  
IIT, Guwahati, India

## Important Dates

- Paper submission deadline: April 15, 2017
- Accepted paper notification: May 12, 2017
- Camera ready submission deadline: May 26, 2017
- Registration deadline: May 26, 2017
- Conference Dates: August 22-24, 2017

| Registration Fees *     |                         |          |
|-------------------------|-------------------------|----------|
| Regular Author          | Indian                  | ₹ 12,000 |
|                         | Delegates Outside India | US \$400 |
| Student Author          | Indian                  | ₹ 10,000 |
|                         | Delegates Outside India | US \$350 |
| Participants            |                         | ₹ 3,000  |
| Delegates from Industry |                         | ₹ 12,000 |

\* Free boat cruise for early bird registrants

## Conference Tracks

- 1) Communication
  - Coding Techniques
  - Multi Carrier Modulation
  - MIMO & UWB Systems
  - Channel Estimation and detection
- 2) Electromagnetics Engineering
  - EMI & EMC Techniques
  - Antenna Systems
  - RF Circuit Design
  - Spectrum Management
  - Cognitive Radio Design
  - Millimeter Wave Technology
  - Satellite Technology
- 3) VLSI end embedded systems
  - Reconfigurable systems
  - Analog/Digital/Mixed-signal Circuits
  - VLSI for DSP, Biomedical Applications
  - Real time Operating Systems
  - Embedded system designs
  - ASIC & SOC
  - CAD for VLSI
  - MEMS/NEMS
- 4) Computing
  - Soft Computing Techniques
  - Bio-computation and Bioinformatics
  - Artificial Intelligence and Machine Learning
  - Genetic Fuzzy Systems
  - Simulation and Modelling
  - Image processing and pattern recognition
  - Big data and data mining
  - Natural language processing
  - Computer vision and graphics
- 5) Systems and Security
  - Operating systems and Compilers
  - Computer architecture
  - Adhoc and sensor networks
  - Cloud, Cluster, Grid Computing
  - Distributed computing
  - Cryptography
  - Information security
  - Autonomic and Trusted Computing
  - Digital Rights Management
- 6) Humanitarian Engineering
  - Intellectual property
  - Humanitarian Challenges and Opportunities
  - Disaster Mitigation, Response and Recovery
  - Quality Education
  - Clean Water & Sanitation
  - Affordable & Clean Energy
  - Poverty Alleviation
  - Healthcare
- 7) Theme track
  - Mobile Internet
  - Automation of knowledge work
  - Internet of Things
  - Advanced Robotics
  - Autonomous or Near-Autonomous Vehicles
  - Next-generation Genomics
  - Next generation Storage
  - 3D Printing
  - Advanced Materials
  - Advanced Oil and Gas Exploration and Recovery
  - Renewable Electricity



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