



INTERNATIONAL CONFERENCE ON

INTELLIGENT COMPUTING, INSTRUMENTATION AND CONTROL TECHNOLOGIES



ICICICT-2017

6th & 7th JULY 2017

Organized by
THE DEPARTMENT OF
ELECTRONICS AND INSTRUMENTATION ENGINEERING
VIMAL JYOTHI ENGINEERING COLLEGE
JYOTHI NAGAR, CHEMPERI
KANNUR, KERALA
INDIA



In Association with

IEEE India Council
&

IEEE India Council Circuits and Systems Chapter

A Brief History about the College

Vimal Jyothi Engineering College (VJEC) is an educational project of the Archdiocese of Thalassery established in the year 2002 and is managed by Meshar Diocesan Educational Trust. The college is approved by AICTE and affiliated to APJ Abdul Kalam Technological University (KTU). VJEC is a self-financing Catholic minority institution aiming at generating a fervor for Engineering and Technology in students. Here, we inspire, nurture and foster them to realize their career potential in the field of Engineering and Technology.

With profound insight into the resource requirements of the higher education system, VJEC has proudly set up a world-class infrastructure complemented with intellectual capital in the form of competent faculty. Many of the facilities are way beyond the regulatory requirements aiming for learning beyond the syllabus to address the requirements of the industry. These material facilities along with value addition programs and student support systems are the integral facets of empowerment at VJEC Digital library, industry-supported project labs, language lab, and student chapters of professional bodies such as IEEE, ISOI, IETE, SAE, CSI offer an extensive range of resources, opportunities and services to the outcome based teaching learning process. Effective implementation of quality control processes ensures Engineering graduates with the expected level of knowledge, skill, and attitude.

About the Department

The Department of Electronics and Instrumentation Engineering was established in the year 2005 under Kannur University with a B.Tech Programme in Applied Electronics and Instrumentation Engineering, in tune with the steep increase in demand for innovative and sophisticated equipment and instruments at the global level. The M.Tech program in Control and Instrumentation was started in the year 2013. The department has two Professors, two Associate Professors and fifteen Assistant Professors supported by three members of the non-teaching staff. The department has an admirable staff - student ratio of 1:15. It adopts ISO 9001: 2008 Quality Procedures and Standards effectively to improve the overall quality of the technical education

Vision

The department strives to enrich professionals of high competency in the area of instrumentation engineering and mould them to adopt the crux of matter in the field of automation.

Mission

To prepare the students to envisage beyond the hypothetical thinking and belong to a new era of acquisition and application of instrumentation technology to meet the requisition of the changing world.

About the Conference

The Department of Electronics and Instrumentation Engineering of Vimal Jyothi Engineering College, one of the prominent Engineering Institution in Kerala, takes immense pleasure in organizing an International Conference On Intelligent Computing, Instrumentation And Control Technologies. The theme of the conference is Intelligent Systems for Smart World. The Conference will be a platform to focus on the core technological developments on Instrumentation and other emerging technologies to be held on the 6th and 7th July 2017 at Vimal Jyothi Engineering College. ICICICT-2017 aims to provide an opportune forum and vibrant platform for Researchers, Academicians, Scientists and Industrial Practitioners to share their original research work, patents, findings and practical development experiences on the specific new challenges and emerging issues confronting the nation.

Aim of the Conference

The objective of the conference is to provide a platform for the exchange of ideas amongst scholars in various disciplines, present the state of the art innovations and point out the new trends in current research activities and emerging technologies. It is also proposed to have an assembly of eminent persons in their area of specialization with fair share of invited talks and workshop materials in all relevant fields, for the benefit of the delegates of the Conference.

Call for Papers

The authors who wish to contribute to the conference are solicited to submit their papers that illustrate research results, projects, surveying works and industrial experiences addressing state-of-the-art research and development in all areas related to computer communication and control. In particular, but not limited to the following topics are expected to be addressed by the authors.

A. COMPUTING

- Algorithms and Bioinformatics
- Artificial Intelligence and Machine Learning
- Computer Graphics & Visualization
- Database, Data Fusion and Mining
- Internet & Cloud Computing
- Multimedia systems & services
- Parallel and Distributing Computing
- High-Performance Computing
- Autonomic and Trusted Computing
- Knowledge Discovery and Data Mining
- Virtual Reality and Visualization
- Biomedical Informatics and Computation
- Information and its Technical Education
- Pattern Recognition/Multimedia
- Probabilistic Methods
- Queuing Methods
- Security Information Assurance
- Web and Internet Computing

B. CONTROL & INSTRUMENTATION

- Algorithms & Complexity
- Biomedical Instrumentation and Applications
- Chaos and Control Applications
- Computational Science
- Control & Intelligent Sensors
- Modeling and Simulation Techniques
- Control of Biological and Bionics Systems
- Modern Control Systems and their Applications
- Industrial Networks and Automation
- Vision Recognition and Reconstruction
- Linear & Nonlinear Control
- Measurement-Data Acquisition
- Neuro fuzzy Control
- Process Control and Instrumentation
- Robot Design, Development and Control

C. SIGNAL PROCESSING & COMMUNICATION

- Coding, Transmitting & Estimating
- Digital and Analog Communication
- High Speed Communication
- Hyper Network Communication
- Image processing & communication
- Signal Detection and Parameter Estimation
- Signal, Image and Video Processing
- Speech and Audio Processing
- Wireless Communications
- Communications Transmission
- Network Communication
- Mobile and Ubiquitous Computing
- Ad hoc and Sensor Networks
- Network and System Security

D. ELECTRICAL ENGINEERING & AUTOMATION

- AC-DC/DC-AC/ DC-DC converters
- Automated guided vehicles
- Electric machines design
- Hybrid Vehicle
- Industrial electronics
- Power Electronic Systems
- Power system
- Smart Grid
- Green Energy
- Special Machines
- Drives and Controls
- Optimisation Techniques
- Electro Magnetic Field
- Transmission and Distrution
- SCADA & Electrical Measuremens

Manuscript Submission

The authors are expected to submit original research papers which have not been submitted elsewhere in other Conference and Journals. Papers should be submitted through easy chair link <https://www.easychair.org/conferences/?conf=icicict2017>. The authors should strictly adhere to the IEEE format. For further queries in this regard, please email to ei_events@vjec.ac.in

Proposed Conference Sessions/Events

- Professional Development Sessions
- Concurrent Case Studies
- Opening Ceremony
- Plenary Sessions
- Panel Discussions
- Poster Presentation
- Conference Exhibition
- Conference Tour
- Conference Dinner

Important Dates

Full Paper Submission	: 4 th April, 2017
Notification of Acceptance	: 5 th May, 2017
Final Paper Submission and Author's Registration	: 6 th June, 2017
Conference Date	: 6 th and 7 th July, 2017

Registration Fee

Category	Delegates From India (IEEE Members)	IEEE Non-Members	Foreign Delegates
PG/Full Time Research Scholars	Rs. 4000/-	Rs. 5000/-	US\$ 100
Academicians	Rs. 5000/-	Rs. 6000/-	US\$ 200
Industry Delegates	Rs. 6000/-	Rs. 7000/-	US\$ 200
Accompanying Person	Rs. 2000/-	Rs. 2000/-	US\$ 75

Based on the review, selection, acceptance, registration and presentation the papers will be published in IEEE Xplore digital library. If the papers are presented by a single author, he/she must register for the conference; if it is more than one author, at least one of the author must register for the conference on or before 6th June 2017. Participants of the conference may address their queries if any, regarding the paper submission or any other matter to the email ei_events@vjec.ac.in. A late registration fee (after 6th June 2017) of Rs.500/- should be paid along with registration amount till 25th June 2017. For more details and registration form, please refer to <http://www.vjaei.com/>

Accommodation

Hotels situated near the institution have come forward to offer concessional rates to ICICICT guests. Participants may contact the organisers for room bookings.

A limited number of rooms in the College hostels are available, and bookings for the same will be made on a first come first serve basis.

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TOURIST SPOTS

Payyambalam beach



Parassinikkadavu Snake park



Arakkal Museum



St. Angelo Fort



Paithalmala



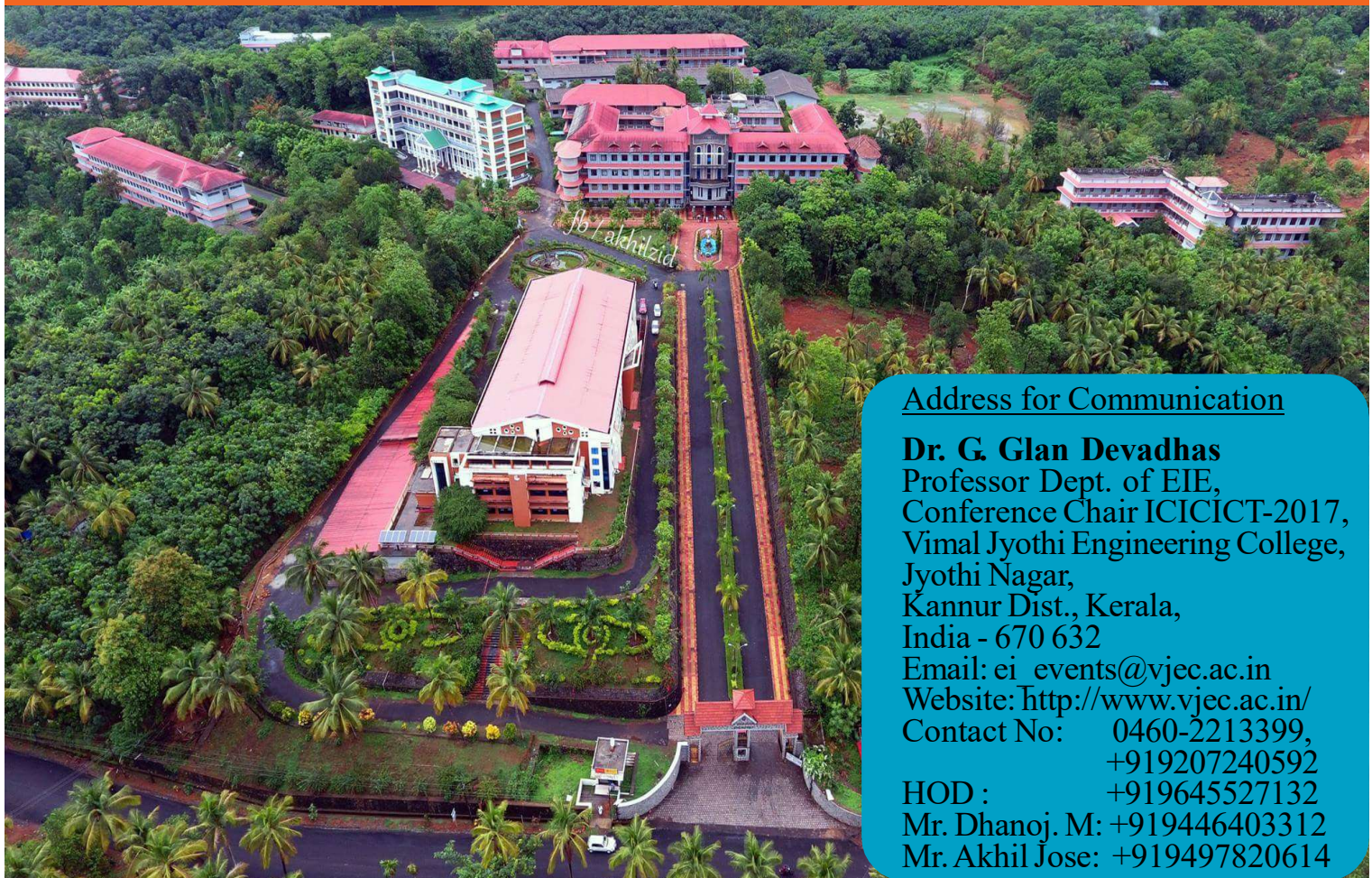
Kanjirakolly



Palakkayam Thattu



Muzhappilangad Drive-in Beach



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