



K.L.N. College of Engineering

(An ISO 9001: 2008 Certified Institution)

Pottapalayam - 630 612, Sivagangai District, Tamilnadu, India



International Conference on Innovations in Engineering and Technology

6th & 7th April 2016



Organized by

Department of Automobile Engineering

Department of Computer Science and Engineering

Department of Electronics and Instrumentation Engineering

Department of Computer Applications (M.C.A.)

Conference Website : **www.iciet.in**



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Call for Papers

ICIET'16 seeks for significant contributions from the authors in their respective areas in Engineering, Technology and Management. Original papers are invited on the following topics but not limited to:

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- Micro and Nano Technology
- CFD and Heat Transfer
- CAD/CAM/Additive Manufacturing
- Lean/Sustainable Manufacturing
- Design, Optimization and Simulation
- Logistics, Scheduling, SCM
- Vehicle Dynamics/NVH
- Newer Materials for Automobile applications
- Alternate Energy source for Automobiles
- Autotronics /Engine Management System/IT for Automobile applications
- Automotive Transmission/Automotive Safety
- Vehicle tracking and Vehicle Assessment Program.

Science & Humanities

- Chemical Sciences and Engineering
- Environmental and Analytical Chemistry
- Nanotechnology
- Quantum Theory
- Theoretical and Computational Chemistry
- Computational Mathematics
- Cross-disciplinary areas of Mathematics
- Computational Statistics
- Operations Research
- Environmental Statistics
- Numerical analysis and methods
- Mathematical methods in optics and Electromagnetics

Registration Fee

Foreign Participants	: \$ 100/-
Participants from Industry	: ₹ 5000/-
Faculty Members	: ₹ 3000/-
Research Scholars	: ₹ 3000/-
Students	: ₹ 2000/-
Attendees	: ₹ 1500/-

Publication Details

- Journal of Applied Sciences and Research (Anna University Annexure – II)*
- International Journal of Innovative Research in Science, Engineering and Technology*

Electrical, Electronics & Instrumentation Engineering Stream

- Power System and Optimization
- Renewable Energy
- Power Electronics & Drives
- High Voltage Engineering
- Advanced Control Systems
- Neural and Fuzzy Systems
- Instrumentation
- Biomedical Applications
- Adaptive/Robust/Optimal control
- Fault detection and diagnosis
- Process control instrumentation
- Sensor fusion
- Virtual instrumentation
- Optical and Satellite Communication
- MIMO, OFDM and Smart Antennas
- PLC & SCADA based instrumentation systems
- Smart Grid Technology
- Mobile Computing
- Embedded systems and RTOS
- MEMS/NEMS
- VLSI Design Technology
- Microwave Engineering
- Microprocessor and Micro controller
- Speech / Signal /Image processing

Important Dates

Early Round Paper Submission

1. Abstract Submission : 01.02.2016
2. Acceptance Notification : 05.02.2016

Final Round Paper Submission

3. Full Paper Submission : 15.02.2016
4. Paper Acceptance Notification : 07.03.2016
5. Last Date for Registration and Submission of Camera Ready paper: 16.03.2016
6. ICIET'16 Conference Date : 06 & 07.04.2016

Computer Science & Engg., Application & Information Technology Stream

- Algorithms
- Distributed and Parallel Computing
- Multi-core Architecture
- Operating Systems
- Computer Networks/Wireless Networks
- Mobile and Pervasive Computing
- Data Mining and Data Warehousing
- Network Security and Information Coding
- Artificial Intelligence
- Digital Image Processing
- Graphics and Multimedia
- High Performance Computing
- Evolutionary Computing
- Programming Languages
- Information and Storage Management
- Software Engineering and Testing
- Virtualization
- Cloud Computing and Cyber Security
- Big Data Analytics

Business Administration

- Emerging Trends in Management
- Opportunities and Challenges in Management
- Marketing and HR
- Innovative Strategies in developing business
- Logistics Management
- Emerging Issues in Entrepreneurship
- Internal Business Finance

Registration

The registration fee is to be paid by the way of Demand Draft. The Demand Draft attached along with the camera ready paper should reach us on or before 16.03.2016

The convenor

ICIET'16

K.L.N. College of Engineering
Pottapalayam - 630 612
Sivagangai District, Tamilnadu, India.

For uploading papers, Visit Conference Website :

www.iciet.in

About the College

K.L.N. College of Engineering is a premier institution near Madurai in Tamilnadu, India approved by AICTE, New Delhi and affiliated to Anna University, Chennai. It is an ISO 9001:2008 certified institution. It is the first linguistic minority self-financing co-educational Engineering College started in the year 1994 by enthusiastic educationalist and industrialist (Amarar) Thiru. K.L.N. Krishnan from Sourashtra Community and sponsored by K.L.N. Sourashtra College of Engineering Council, Madurai. It is situated in Madurai – Nedungulam Road (11 Kms from Madurai City) with a span of 53.8 Acres.

This institution offers 7 UG and 7 PG courses and more than 3000 students are studying in Engineering, Technology, Computer Applications and Management Programme. B.E Mechanical Engg., B.E EEE., B.E CSE., B.Tech IT and M.C.A. are accredited by National Board of Accreditation (NBA), New Delhi.

This college continuously strides to impart technical knowledge and inculcate research culture among staff and students through four quality circles namely Quality Education, Successful Graduation, Potential Employability and Advanced Research & Development.

Besides regular teaching, the institution is actively engaged in Research & Development activities and consultancy work. The college is associated with various professional bodies like IEEE, ISTE, CSI, IE(I), ICTACT, NDRF, IETE, ISOI, ISHRAE & SAE club . The college has an Internet facility in all departments, laboratories, libraries and hostels with optical fibre backbone of bandwidth 40 Mbps and the campus is WiFi enabled.

The e-journals such as IEEE, ASME, SPRINGER, ELSEVIER are available in all the departments for their wide reference. The college has close association with leading Industries like Infosys, IBM, HP, Wipro, EMC², TCS, Hexaware, Slash support, Yokogawa, National Instruments etc., to build strong Industry Institute Interaction .

All India Council for Technical Education (AICTE) New Delhi has sanctioned the financial assistance of RS.14,50,000 for the formation of Industry Institute Partnership Cell (IIPC) at KLNCE. The objective of the IIPC is to bridge the gap between industry expectations and academic offerings by direct involvement of industry to attain a symbiosis. IIPC is focussing more towards interacting with R&D organizations for carrying out joint research work involving faculty/scientists and research scholars / students.

The Quality Circle - Advanced Research & Development (QCARD) Unit is specifically set up in the Institute to provide administrative and managerial support for the operation of Sponsored Research Projects, Consultancy Jobs and related Research activities. The following departments are recognized as approved Research centre by Anna University, Chennai.

- Mechanical Engineering
- Electrical and Electronics Engineering
- Electronics and Communication Engineering
- Computer Science and Engineering



Vision of the College

To become a Premier Institute of National Repute by Providing Quality Education, Successful Graduation, Potential Employability and Advanced Research & Development through Academic Excellence.

Mission of the College

To Develop and Make Students Competent Professional in the Dynamic Environment in the field of Engineering, Technology and Management by emphasizing Research, Social Concern and Ethical Values through Quality Education System.

Conference Theme

The International Conference on Innovations in Engineering and Technology (ICIET'16) is hosted by K.L.N. College of Engineering, Madurai, Tamilnadu, India on 6th & 7th April 2016.

The main theme of the conference is

"Enhancing Values Through Innovation for a Sustainable Future"

Innovation in new products, new techniques and new processes are highly contributing for the economic growth of any country. In this context, our International conference on Innovations in Engineering and Technology aims to provide a forum for the Engineers and Scientists around the world to disseminate the knowledge and research in the contemporary issues in the field of Science, Engineering, Technology and Management.

It also discuss about the recent trends, concerns, practical issues and the solutions adopted in the field of Engineering and Technology. The conference includes plenary lectures and invited talks delivered by leading industry experts and proficient academicians.

ICIET'16 focus on three streams namely Mechanical & Automobile Engineering, Electrical, Electronics and Instrumentation Engineering and Computer Science and Engineering, Applications & Information Technology.

The theme of each stream of the conference is :

- *Innovative practices in manufacturing and technologies for Green vehicles*
- *Innovations in measurement system design, communication and power system Engineering*
- *Innovations in Information, Communication and Technology focusing more towards Green environment*



International Conference on
Innovations in Engineering and Technology 2016

About Our Founder President (Amarar) Thiru K.L.N.Krishnan

Our founder president (Amarar) Thiru. K.L.N. Krishnan was a great visionary legend in jet pump industry and rendered service to education. He was the district commissioner scouts for about 3 decade of years. Awardee of "UDYOGPATRA" by the President of India. He was the Chairman of APEX ASSOCIATION OF INDO-CANADIAN INSTITUTIONAL CO-OPERATION PROJECT sponsored by Government of India in Tamilnadu Polytechnic, Madurai.



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- Environmental Statistics
- Numerical analysis and methods
- Mathematical methods in optics and Electromagnetics

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Plenary Speaker

Dr. Arokiaswami Alphones

He is Associate Professor at the School of Electrical and Electronic Engineering, Nanyang Technological University, Singapore. He is also Program Coordinator (Research). He has more than 27 years of research experience and he is a Senior Member of IEEE. He is in the editorial review board of IEEE Microwave Theory and Techniques & Microwave and Wireless Components Letters. He has published and presented over 250 technical papers in International Journals/ Conferences. His current research interests are Electro-magnetic analysis on planar RF circuits and Integrated optics, Metamaterials, Microwave photonics, and Hybrid fiber-radio systems. His research work has been cited in the book "Millimeter Wave and Optical Integrated Guides and Circuits", Wiley Interscience publication. He has delivered tutorials and short term courses in international conferences. He had written a chapter on "Microwave Measurements and Instrumentation" in Wiley Encyclopedia of Electrical and Electronic Engineering 2002, and a chapter on "Optically Controlled Phased Array Antennas for UWB RFID Reader" in Wiley's Handbook of Smart Antennas and RFID Systems in 2010.

Keynote Speakers



Dr. P.V. Venkitakrishnan

He is a Deputy Director, Mechanical & Materials Entity, VSSC, ISRO, Trivandrum. He received his Masters degree and PhD at IIT Madras. He has 32 years of experience in the Aerospace Materials & Manufacturing field and has got number of publications in National and International journals. Currently he is the National President of Society of Aerospace Manufacturing Engineers (SAME).



Mr. Dhanabal Solaikutty

He is a country head for academic programs in India and SAARC, National Instruments. He holds two decades of experience in designing and development of CCD image sensor & signal processing electronics, configuration of mixed signal test system, Product Development using embedded, wireless data acquisition system and Programmable automation controllers.



Mr. Santhosh Kumar Durairaj

He is a Senior Technology architect in the Manufacturing unit of Infosys Limited. He has more than 16 years of experience in IT consulting and Competency development. Being an enterprise architect, he works on designing the enterprise architecture strategy plan and the implementation of the enterprise applications, providing optimum solution for the customers' requirements, enhancing the performance and security of the applications.



Mr. Ananth Ramakrishnan

He is the Director of ITICS - Ericsson Global. He has 23 Years of Industrial experience includes 19 years in IBM as Solution support team for India and Asia Pacific region. He played an Active role in the Indian telecom revolution. He also worked as Presales Architect for Airtel, Lead architect for Vodafone India. He has vast experience in the Infrastructure solution design and Executed large scale migrations. Appointed as Senior Technical Staff Member (STSM) in IBM. He is a Certified IT Specialist and ITIL V3 Foundation certified professional.

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Dr. K.N.K. Ganesh

Secretary & Correspondent, K.L.N. College of Engineering

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Dr. A.V. Ram Prasad

Principal, K.L.N. College of Engineering

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Pondicherry, India

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IEEE Senior Member & Member Chairman / Computer Science and
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Asso. Professor./School of Electrical and Electronic Engg.,
College of Engineering, Nanyang Technological University, Singapore

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Associate /Software Engineering and Design, Institute of Systems Science,
National University of Singapore, Singapore

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Asso. Professor /Computer Science & Engineering
Anna University, Chennai, India

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Asso. Professor /Master of Computer Applications
National Institute of Technology, Tiruchirappalli, India

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Professor / Electrical and Electronics Engineering
Thiagarajar College of Engineering, Madurai, India

Dr. X. Z. Gao, Docent

Adjunct Professor / Electrical Engineering and Automation
School of Electrical Engineering, Aalto University, Finland

Mr. LeanMakhubele

Senior Specialist IM, Sasol Exploration and Production International Business
Collaboration and Solutions, Johannesburg, South Africa

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Dean, Thiagarajar College of Engineering, Madurai, India

Mr. M. Ramesh

Business Support Manager, COVIDIEN Private Limited, Singapore

Dr. Vani Perumal

Asst. Professor / Information Technology
Rustaq College of Applied Sciences, Sultanate of Oman

Mr. Ananth Ramakrishnan

Competency Head - ITICS, Ericsson India Global Services Pvt. Ltd
Bengaluru, India

Mr. Sriram Venkatesan

WW Business Development Executive, IBM, Bengaluru, India

Important Dates

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1. Abstract Submission : 01.02.2016
2. Acceptance Notification : 05.02.2016

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Participants from Industry	: ₹ 5000/-
Faculty Members & Research Scholars	: ₹ 3000/-
Students	: ₹ 2000/-
Attendees	: ₹ 1500/-

Registration fee includes conference banquet, proceedings, working lunch and other registration materials. Registration form may be downloaded from the conference website. All related details viz. travel, accomodation, etc, can be referred from the website.

Note to Foreign Participants:

Kindly note that Organizers of ICIET'16 are not able to arrange VISA for the participants. The participants are recommended to contact nearest relevant Consulate / Embassy / High Commissioner in their home country regarding their VISA formalities. In order to help the participants to apply for their VISA, ICIET'16 will issue a PDF (electronic copy) of VISA letter confirming your name, conference details, your extended abstract acceptance, your fee payment, registration.

For uploading papers, visit our Conference Website : **www.iciet.in**

Publication Details

Authors should submit their Abstract / full papers as per the prescribed format and the information regarding the preparation of manuscripts is available in the conference web site. **Submission of papers shall be through Easy Chair.**

- ✓ All the presented papers in the conference will be published in the conference proceedings after peer review.
- ✓ Quality research articles will be sent to the relevant journals according to the scope for publication after getting consent from the authors of the papers.
- ✓ Selection and publication of research papers will be decided by the journals after peer review.

The identified Journals for the publication of Research articles are:

- Journal of Applied Sciences and Research (Anna University Annexure – II)*
- International Journal of Innovative Research in Science, Engineering and Technology*

(* Authors of the papers selected for the journal publication should fulfill the norms imposed by the editor of the journal for their research article Publication.)

Dr. A.P.J. Abdul Kalam



Learning gives Creativity
 Creativity leads to thinking
 Thinking provides knowledge
 Knowledge makes you great.

Quality Circles of K.L.N.C.E

- Quality Education
- Potential Employability
- Successful Graduation
- Advanced Research & Development



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Location Map



Madurai is a major city and cultural headquarters in the state of Tamil Nadu in southern India.

The aerial distance from Chennai to Madurai is 419 kms and Tiruchirappalli to Madurai is 140 kms.

Places to Visit



Meenakshi Amman Temple

Meenakshi Amman Temple is a historic Hindu temple located on the southern bank of the Vaigai River in the temple city of Madurai, Tamil Nadu.



Kodaikanal

Kodaikanal is a hill town in the southern part of Tamil Nadu. It's located in an area of granite cliffs, forested valleys, lakes, waterfalls and grassy hills.

Distance from Madurai: 115 kms



Kanyakumari

Kanyakumari, formerly known as Cape Comorin, is a town in Kanyakumari District in the state of Tamil Nadu in India. Vivekananda Rock is a popular tourist monument in Kanyakumari.

Distance from Madurai: 239 kms



Rameswaram

Rameswaram Temple is a Hindu temple dedicated to god Shiva located in Rameswaram island in the state of Tamil Nadu, India.

Distance from Madurai: 171 kms

Contact Details

The Convenor

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Phone : 0452 - 6562171, 6562172

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ICIET'16 WISHES



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