

LENDI INSTITUTE OF ENGINEERING AND TECHNOLOGY (LIET)

LENDI Institute of Engineering and Technology (LIET) is established under the aegis of Sai Dhamam Educational Trust, Visakhapatnam with a sacred objective of providing educational opportunities to the ever increasing engineering aspirants. **The Institution is one of the premier Institution in Costal Andhra accredited by NBA & NAAC with 'A' Grade.** The college is offering four UG programs in CSE, ECE, MECH & EEE branches and two PG M.Tech Programmes in CSE and VLSI specializations. LIET approved by AICTE and affiliated to JNTU, Kakinada is a premiere Institution established in 2008. Institution is just 35 km away from Vizag situated in a serene atmosphere having divine touch of LENDI - a flower garden beside NH-43. LIET is aiming to provide a unique and vibrant platform for creating knowledgeable and elegant engineers who can compete with global technocrats around the society and transform the institution to a realistic technological Institution.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

At the inception Department of Electronics and Communication Engineering was started with an initial intake of 60 students and further enhanced to an intake of 180 students at the graduation level. Post-Graduation M.Tech program in Embedded Systems & VLSI Design was introduced in 2014 – 2015 with an intake of 18 seats. The department is strongly nourished with eminent faculty comprised of 6 doctorates and many experienced faculty. Further the department is equipped with the state of art infrastructure additional to licensed software tools like mentor graphics MATLAB and XLINX-ZS etc.

IE,IETE PROFESSIONAL CHAPTERS

Institution of Electronics and Telecommunication Engineers (IETE, Founded in 1953) is a National Apex Professional body of Electronics and Telecommunication, Computer Science and IT Professionals devoted to the Technological advancements in Electronics, Telecommunication & IT and allied areas. IETE serves more than 1,25,000 Corporate, Student and ISF members through activities spread around 64 different centre's spread all over India and abroad.

The **Institution of Engineers (India) (IEI, established in 1920)** is a statutory body reputed to promote and progress the engineering and scientific innovations. IEI is incorporated by the Royal Charter in 1935. It is a largest multi-disciplinary professional body of engineers encompassing 15 (fifteen) engineering disciplines with a membership of more than 820 thousand and serving the nation for more than 9 decades. The IEI has its national presence in more than hundred Centre's and several Overseas Chapters as well.

ABOUT THE CONFERENCE

NCTRACE-2019 by LENDI provides a national triumphant forum of interaction for Scientific Researchers and Engineers working on cutting edge technologies. This conference aims to introduce a Technological platform where faculty members from various universities/engineering colleges, professionals from R&D institutes/industries, and research scholars from across the country can share updated technological breakthroughs and provide promising solutions for significant research problems of interest. The theme of the conference covers all major areas of research interest in the fields of Electronics and Communication Engineering comprised with keynote speeches and invited sessions by renowned domain experts. The conferences aims at providing an opportunity for researchers and engineers across the nation to exchange their ideas on current research findings on the conference topics under various technical tracks, but are not limited to..

Themes and sub-themes of the Conference: Following are the proposed themes and sub-themes desired to be addressed in the conference.

THEMATIC BREAKUP

VLSI AND EMBEDDED SYSTEMS

1. VLSI system design
2. RF circuits
3. Mixed-signal design
4. Device models for circuit design
5. Compound semiconductor device
6. Cad for VLSI
7. Analog IC circuit design
8. Nano-electronics
9. Low-power circuit design
10. Memory architectures design
11. ASIC design for dedicated systems
12. FPGA based design
13. Optoelectronics based circuits
14. Biomedical circuits
15. Energy harvesting and storage device
16. Embedded systems for computing, intelligence, memory, fail-safe systems & applications
17. Internet of things (IOT) circuits

WIRELESS COMMUNICATIONS

1. Wireless propagation and channel characterization
2. Multi-carrier techniques
3. MIMO communication
4. Antennas
5. RF and microwave engineering
6. Software-defined radio, equalization, synchronization, estimation and detection techniques
7. Wireless multiple access
8. Green wireless communication
9. Free-space optical communication
10. Millimetre-wave and terahertz
11. Wireless communication standards
12. Wireless sensor and IOT communications

SIGNAL PROCESSING

1. Speech, audio, image and video signal processing
 2. Spectrum sensing, shaping and management
 3. OFDM and OFDMA systems
 4. Adaptive antennas and beamforming
 5. Signal processing for localization, positioning and tracking techniques
 6. Machine learning
 7. Artificial intelligence
 8. Data mining over wireless networks
 9. Signal processing for spread spectrum and ultra-wideband systems
 10. Signal processing for security and cryptography
 11. Big data for communications and networking
 12. Optimization techniques
 13. Multirate signal processing
- * Technical talks will be arranged by eminent personalities from Industry and Academics.

SUBMISSION OF RESEARCH PAPER

The participants are requested to submit their manuscripts on or before 20th April 2019 to nctrace2019@gmail.com. All the submitted manuscripts in English must adhere to the IEEE format limiting the number of pages to between 4 and 6. Accepted manuscripts are proposed to be published in the proceedings book with ISBN number--.

The title page or covering page of the manuscript should include: (1) Title of the paper (2) Name of the author (s) along with professional affiliations (3) Address for correspondence with email and telephone numbers (4) Abstract.

All the submitted manuscripts are reviewed by specific domain experts followed by subjecting them to plagiarism check.

Authors of selected manuscripts are informed of the review status on their respective mail id's provided.

REGISTRATION FEE

All the participants are expected to pay the following registration fee:

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|------------------------|---|
| (i) Academicians | Rs 1500/- (For IE,IETE members Rs.1250/-) |
| (ii) Research Scholars | Rs. 1000/- (For IE,IETE members Rs.800/-) |
| (iii) Students | Rs. 1000/- (For IE,IETE members Rs.800/-) |

The registration fee includes seminar kit, certificate, breakfast, lunch, refreshment for one author. Fees once deposited shall not be refunded, Additional authors seeking participation are entitled to register themselves separately. It is pertinent to mention that the selected manuscripts received by **20th APRIL, 2019** are entitled for publication in the proceeding book with volume having ISBN number. All the papers presented in the conference will be submitted in UGC approved/indexed Journals.

ACCOMMODATION

Accommodation is available for out station participants in the College Hostel by paying nominal charges on the campus. Participants seeking accommodation are supposed to intimate the organizers in advance of their arrival status.

TRAVELLING ALLOWANCE

No Travelling allowance and DA will be provided.

CONFERENCE COMMITTEE

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|-------------|---|--|
| Patrons | : | Sri P. Madhusudana Rao,Chairman
Sri P. Srinivasa Rao,Vice Chairman
Sri K. Siva Rama Krishna,Secretary |
| Chairperson | : | Dr. V.V. Rama Reddy, Principal |
| Convener | : | Dr. M.Rajan Babu, Head of the Department |

ORGANIZING COMMITTEE: All the Faculty of the Department

IMPORTANT DATES

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|--------------------------------|---|-------------------------------|
| Submission of Abstract | : | 10 th , April 2019 |
| Submission of Full Paper | : | 20th, April 2019 |
| Selection intimation to author | : | 25th, April 2019 |
| Registration of Paper | : | 30th April 2019 |
| Camera Ready Paper | : | 3 rd ,May 2019 |
| Conference Dates | : | 9th &10 th May 2019 |
| Registration Time | : | 9:30 AM on 9th May 2019 |
| Inaugural Session | : | 11:00 AM on 9th May 2019 |

CONTACT DETAILS

All Correspondences in this regard may be addressed to

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|---------------------------------|--------------------------------------|
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JONNADA, VIZINAGARAM - 535005

E-mail: nctrace2019@gmail.com

NATIONAL CONFERENCE

On

Technological Research Advancements in Communication and Electronics Systems (NCTRACE- 2019)

May 09-10, 2019

Organized By

DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING

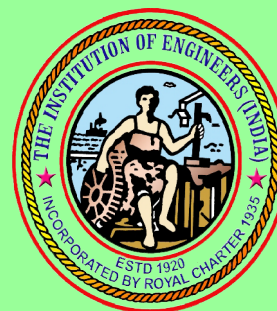
LENDI INSTITUTE OF ENGINEERING AND
TECHNOLOGY

(Approved by A.I.C.T.E & Affiliated to JNTU,Kakinada)

Accredited by NAAC with 'A' Grade,NBA

Jonnada (Village), Denkada (Mandal), Vizianagaram Dist – 535 005

<http://nctrace.org/>



CALL FOR PAPERS