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Dr Anand V P Gurumoorthy, SCHEME
Dr.Sonam Shrivastava, SELECT
Dr. Sharmila Jagadisan, VSPARC

Eligibility:

U.G/ P.G Students
Research Scholars (Outside VIT) & Faculty Members

Registration:

Conference registration can be made through online.

Fee Details:

UG/ PG/ Research Scholars : Rs. 800
Faculty : Rs. 900
Industry Participants : Rs. 1000
International Participants : USD 160

Links for registration and Online Payment

<http://info.vit.ac.in/Events-VIT/ICSET-2019/apply.asp>

Link for external full-length paper submission

<http://info.vit.ac.in/conference/ICSET-CONF/apply.asp>

Conference registration includes paper presentation, lunch, snacks and certificates of participation/ presentation. All the submitted papers will go for blind peer review by competent reviewers. **Best papers will be published in Scopus indexed journals.**

Paper Format: MS Word (.doc) document, Font: Times New Roman, Size: 12, 1.5 Spacing, 1-inch margin on all sides, Figures and Tables in appropriate spaces.

Registration of at least one author is mandatory to present the paper. Participation certificate will be given to all registered participants.

Dates to remember:

Conference date: 30 and 31 October 2019.
Last date for submission of full paper: 11 October 2019
Notification of Acceptance through mail: 18 October 2019
Last date for Registration: 25 October 2019

Address for Correspondence

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VIT[®]

Vellore Institute of Technology

(Deemed to be University under section 3 of UGC Act, 1956)

19th International Conference on Science, Engineering & Technology (ICSET)



30th & 31st October 2019

ICSET-2019

Organized by

School of Electrical Engineering
(SELECT)
Vellore Institute of Technology
Vellore -632 014

About VIT

VIT, one of the premier institutes in India, established in 1984. VIT is the first educational institution in India to get ISO 9002 certified by the DNV of The Netherlands and accreditation from IEE (UK). Further it has also been accredited by NAAC (UGC). Mission of VIT is to educate students from all over India, including those from the local and rural areas, and from other countries, so that they become enlightened individuals, improving the living standards of the families, industries and society. It provides individual attention, world-class quality education and takes care of character building. VIT was established the aim of providing quality higher on par with international standards dedicated to provide excellence in teaching, research and service. Our Memoranda of understanding to various international universities are our major strength. It also provides an opportunity on students and faculty exchange programmes with international universities to encourage joint research collaborations for mutual benefit. The campus has a cosmopolitan atmosphere with students from all parts of the globe. The latest CAL Curriculum offered in VIT covers the latest developments in the respective discipline with focus on student projects and designed based on market needs, whereby employability, developing skills as entrepreneur and grooming students as young scientists are major priorities.

VIT offers 36 Undergraduate, 31 Post-graduate, 4 Integrated and 3 Research programmes in 13 schools. VIT is also rising ahead in the number of publications along with H-index of 76. Research centers are also part of the schools, encouraging inter departmental collaboration and opportunity for students to participate in exciting research projects in Automotive research, Crystal research, Nanotechnology, Nano-biotechnology, Bio-separation Technology and Biomaterials, etc.

School of Electrical Engineering (SELECT): SELECT has 109 faculty members who have done their UG and PG degrees from the top-notch universities. The School offers B.Tech (Electrical and Electronics Engineering), B.Tech (Electronics and Instrumentation Engineering), M.Tech (Power Electronics and Drives) and M. Tech (Control and Automation), M.S. by Research and Ph.D. in Engineering. B.Tech (Electrical and Electronics Engineering) and B.Tech (Electronics and Instrumentation Engineering), is accredited by the Engineering Accreditation Commission of ABET. All UG & PG programmes of the school are accredited by the Institution of Engineering and Technology (IET), U.K. The placement record of the School has always been impressive. Almost 100% of the students get job from the campus placement and many of them are getting it in core companies every year. The School has state-of-the-art laboratories in almost all the areas of Electrical, Electronics and Instrumentation Engineering. Every

year, students get scholarships to do their final year projects abroad under the Semester Abroad Program (SAP). Schneider Electric, India and NxP Semiconductors, India, have established Centre of Excellence for students R&D activities under the guidance of faculty members and Industry experts. The School has signed MoUs with many foreign Universities, research organizations and Industries from where students get benefits for their R&D Work / Projects from the MoUs.

About the conference: This 19th International Conference will serve as a great platform with excellent form of academicians and experts from industries for sharing knowledge and research in the field of life sciences. Engineering and Technology along with managerial aspects. The main objective is to provide research and development activities in all the domains to facilitate information exchange between researchers, developers, engineers and students working around the globe. Concepts and products that develop new ideas or theories, attempt to advance our understanding of real-world phenomenon and/or address any of the research themes are encouraged. Selected papers will be referred by the steering committee for publication in Scopus indexed international journals. Adjunct professors in different disciplines from abroad will deliver special lectures.

Conference Themes: 1.School of Advanced Sciences (SAS)

Materials / Inorganic Chemistry, Organic Chemistry, Pharmaceutical Chemistry, Environmental & Analytical Chemistry, Photonics , Medical Physics, Material Physics, Crystal Growth, Nuclear Physics, Algebra, Graph Theory, Pure Mathematics , Applied Mathematics , Fluid Dynamics ,Operations Research.

2. School of Bio Sciences & Technology (SBST)

Nanobiotechnology, Medical Biotechnology, Pharmacology & Toxicology, Bio-remediation, Marine resources.

3. School of Civil Engineering (SCE)

Structures and Sustainable Materials, Geotechnical & Earthquake Engineering, Green buildings, Structural Health Monitoring, Management of Infrastructure construction, Aspects of Surveying & Advances in Transportation Engineering, Environmental monitoring and assessment.

4. School of Chemical Engineering (SCHEME)

Sustainable and Clean Technologies, Process design and Optimization, Modern Separation techniques, Process Instrumentation and control, Process Integration and Intensification.

5. School of Computer Science and Engineering (SCOPE)

6. IoT and its related applications, Big data analytics and Big data frameworks, Cyber security, Artificial intelligence, Machine learning, Deep learning, Cloud application development and management, Network security, Security and privacy

for Big data, Security and privacy in Crowd sourcing, Applied cryptography, Cryptanalysis, Biometrics security and privacy, Authentication and Non-repudiation, Blockchain technologies and Business Systems.

7. School of Electronics Engineering (SELECT)

Power Converters and Reliability; Energy Efficient Drives; Renewable energy and Microgrid; Industrial Automation; Home Automation; Robotics and Control; Black chain in Automation; Machine Learning and Artificial Intelligence.

8. School of Electronics Engineering (SENSE)

Advanced wireless communication and Networking, Advanced Embedded computing and automation, Smart Sensors and Applications, Digital and Analog IC design, Nanotechnology.

9. School of Information Technology & Engineering (SITE)

Machine Learning and Block chain Technology, Cyber Physical Systems, Next Generation 5G Networks, Digital Forensics, Computer Vision, Big data Analytics, Soft Computing Cloud Computing, Software Engineering, Communication Networks, Semantic Web Digital Image Processing.

10. School of Mechanical Engineering (SMEC)

Challenges in Electric / Hybrid vehicle – Indian Context, Emerging Technologies in Factories of the Future, Advanced Quality Systems Tools and Quality Management, The Relevant Technology Applications of Mechatronics, Biomechanics, Sustainable and Digital Manufacturing in Global Era of Cloud Manufacturing, 3D Printing - Challenges/Applications/ Future.

11. School of Social Science & Languages (SSL)

Role of e-banking in rural India, Challenges of women Entrepreneurs, Recent trends in Indian finance system, Use of technology in Language Teaching & Learning, Social media as a communication tool, Gender biases in literature.

12. VIT Business School (VITBS)

Marketing – Finance and Economics – Information Systems and Operations – Organizational Behavior & Human Resources Management – Strategy & International Business.

13. VIT School of Design (V-SIGN)

Smart products for healthcare - Observational study of medical problems for design intervention - Study of users of medical products - Design of diagnostics tools/devices - Biomedical devices - Design to solve real-life clinical problems.

14. VIT School of Architecture (V-SPARC)

Design methodologies, Urban ecology, New Urbanism, Green Architecture and Urban Planning, Climate Change Adaptation, Interior Architecture, Security in building and cities, Disaster Risk Management, Landscape Architecture.

Key Note Speakers

Jens Bo Holm-Nielsen,
Professor,
The Faculty of Engineering and Science,
Aalborg University Esbjerg,
Esbjerg Energy Section.

Prof. Keng Boon Ooi,
Dean Business School UCSI,
University Kuala Lumpur Campus,
Malaysia.

Prof. Ashley Fly,
Lecturer in vehicle electrification,
Loughborough University,
London, England.

Dr. Ulrich Furbach,
Professor,
Head of Artificial Intelligence Group,
University of Koblenz,
Koblenz, Germany

Fumio Hamada,
Professor, Centre for Crystal Growth,
Vellore Institute of Technology, Vellore.

Prof. Sultan Haider,
Head Innovation Think Tank,
Siemens Healthcare GmbH,
Technology and Innovation,
Germany.

Dr. Harishkumar Madhyastha
Faculty of Medicine,
Department of Applied Physiology
University of Miyazaki
Miyazaki-Japan

Advisory Committee Members

Sanjeevikumar Padmanaban
Aalborg University – Esbjerg Campus
Department of Energy Technology
Esbjerg | Denmark.

K.T.M. Udayanga Hemapala
Professor,
Department of Electrical Engineering,
Faculty of Engineering,
University of Moratuwa, Sri Lanka.

Dr. Bharadwaj Veeravalli,
Associate Professor,
Department of Electrical and Computer
Engineering,
National University of Singapore (NUS).

Dr. Naveen Chilamkurti,
SMIEEE,
Cyber security program coordinator,
Department of Computer Science and
Information Technology,
La Trobe University,
Melbourne, Australia.

Prof. Rui Chen,
Professor,
Loughborough University,
London, England.

Dr. Mohit Gupta,
Associate Professor,
University West, Sweden.

Dr. Jeanette Drake,
University of Michigan.
Ann Arbor, MI 48109, USA.

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Prof. Peer M. Sathikh,
NTU Singapore.

Prof. Lau Langeveld
TU Delft,
Mekelweg 5, 2628 CD Delft,
Netherlands.

Dr. Tracy Lawson,
Professor - Plant Physiology,
School of Life Sciences,
University of Essex, Colchester, UK.