SSN COLLEGE OF ENGINEERING

DEPARTMENT OF EEE

CONFERENCES ORGANISED

S.No	Title	Faculty Coordinators	Date
1	6th International Conference on Electrical Energy Systems (ICEES 2020)	Dr. R. Leo Dr. P. Saravanan Dr. V. Thiyagarajan	20-21, February 2020
2	National Conference on Fuel Cell and Electric Vehicle Technology (FCEVT - 2020)	Dr. R. Anantharaj Dr. V. Thiyagarajan	24, January 2020
3	2nd International Conference on Power and Embedded Drive Control (ICPEDC 2019)	Dr. R. Rengaraj Dr. V. S. Nagarajan Dr. V. Thiyagarajan Mr. G. R.Venkatakrishnan	21 - 23, August 2019
4	5th International Conference on Electrical Energy Systems (ICEES 2019)	Dr. V. Rajini Dr. R. Deepalaxmi Dr. K. Usha	21-22, February 2019
5	4th International Conference on Electrical Energy Systems (ICEES 20)	Dr. U. Shajith Ali Dr. M. Pandikumar Dr. S. Malathy	07-09, February 2018
6	1st International Conference on Power and Embedded Drive Control (ICPEDC - 2017)	Dr. Mrunal Deshpande Dr. M. Senthilkumaran Dr. K. Murugesan	16-18, March 2017
7	3rd International Conference on Electrical Energy Systems (ICEES 2016)	Dr. R. Rengaraj Dr. M. Balaji Dr. N. B. Muthuselvan	17-19, March 2016
8	3rd National Conference on Third National Conference on "Power Electronics and Renewable Energy Systems (PEARES-2015)	Dr. R. Seyezhai Dr. R. Ramaprabha	26-27, February 2015
9	National Conference on Recent Trends in Power and Energy Engineering (RTPEE-2014)	Dr. R. Rengaraj Dr. N. B. Muthuselvan Dr. M. Balaji Mr. M. Devesh Raj	10-11, April 2014

National Conference on Fuel Cell and Electric Vehicle Technology (FCEVT - 2020)

24, January 2020

CONFERENCE CHAIR

Dr. V. Kamaraj, Professor and Head, EEE

Dr. R. Parthiban, Professor and Head, Chemical Engineering

CONVENERS

Dr. R. Anantharaj, Associate Professor/Chemical Engineering

Dr. V. Thiyagarajan, Associate Professor/EEE

CO-CONVENER

Dr. K. Sathish Kumar, Associate Professor/Chemical Engineering

Department of Electrical and Electronics Engineering and Department of Chemical Engineering has jointly organized " National Conference on Fuel Cell and Electric Vehicle Technology (FCEVT-2020)", January 24, 2020. FCEVT -2020 is the premier interdisciplinary platform to deliver the latest developments and innovative research results in Fuel Cell and Electric Vehicle Technology for all professionals, researchers and engineers. The conference will serve as a forum to discuss high level scientific issues, exchange state of the knowledge in pure and applied sciences, and initiate collaborative research among various scientific groups. The inaugural function was followed by keynote talk on "Fuel Cell Applications in E-Vehicle Technology" by Dr. D. Kalpana, Principal Scientist, CSIR - CECRI. The theme of the conference attracted 35 submissions from various institutions including NIT Warangal, Government College of Engineering -Tirunelveli, K.Ramakrishnan College of Engineering, Bannari Amman Institute of Technology, Agni College of Technology, PSN College of Engineering and Technology, Sri Krishna College of Technology, Vel Tech and SSN College of Engineering. As the conveners of this conference, we heartily express deep sense of gratitude to our Management, Principal, Head of Department, Keynote Speaker, Participants, and all those who helped us to organize this National Conference and made it a grand success.

2nd International Conference on Power and Embedded Drive Control (ICPEDC 2019)

21 - 23, August 2019

CONFERENCE CHAIR

Dr. V. Kamaraj, Professor and Head

ORGANIZING CHAIRS

Dr. R. Rengaraj, Associate Professor
Dr. V. S. Nagarajan, Associate Professor
Dr. V. Thiyagarajan, Assistant Professor
Mr. G. R. Venkatakrishnan, Assistant Professor

Department of EEE organized "2 nd International Conference on Power and Embedded Drive Control (ICPEDC – 2019)", August 21 – 23, 2019. The main objective of ICPEDC - 2019 is to discuss the latest developments and research results in all aspects of the design, modeling, application of devices, circuits and systems related to power and embedded drive control. The theme of the conference attracted 225 submissions including 15 papers from foreign universities.

The Chief Guest for the conference was Dr. Prahlad Vadakkepat, National University of Singapore, Singapore. The Guests of honour were Shri. S. Akshaya Kumar, Former Director, TANTRANSCO and Tamil Nadu Electricity Regulatory Commission, Chennai and Dr. P. A. Manoharan, Chairman, IEEE Madras Section.

Keynote speakers for the conference were:

1. Dr. M. Venkata Kirthiga, NIT, Trichy

2. Mr. Fred Schindler, Past Chair, IEEE Conferences Committee and Newtonville, Massachusetts, Semiconductors, USA

3. Mr. Kevin Hanft, IEEE Technical Activities, Volunteer Engagement and Education, USA

4. Mr. Raymond Borgone, Senior Manager, Event Business Operations at IEEE, USA

5. Er. V. S. Sriraja Balaguru, Non-Conventional Energy Sources, TNEB Head quarters, Chennai

6. Dr. J. Balamurugan, TNEB/TANGEDCO, Chennai

SSN
2nd INTERNATIONAL CONFERENCE
ICPEDC 2019

5th International Conference on Electrical Energy Systems (ICEES - 2019)

21-22, February 2019

CONFERENCE CHAIR

Dr. V. Rajini, Professor, EEE

CONVENERS

Dr. R. Deepalaxmi, Associate Professor
Dr. K. Usha, Associate Professor
Dr. S. Malathy, Associate Professor

CO-CONVENERS

Dr. R. Leo, Associate Professor
Mr. V. Thiyagarajan, Assistant Professor

The 4th International Conference on Electrical Energy Systems (ICEES 2018) Department of EEE conducted Fifth International Conference on Electrical Energy Systems (ICEES 2019) during February 21-22, 2019. The conference was technically sponsored by IEEE Madras Section. The Chief guest for the Inaugural function was Dr. Nasrudin Bin Abd Rahim, Director, founder, UM Power Energy Dedicated Advanced Centre (UMPEDAC) and Deputy Vice Chancellor (Research & Innovation).

The inaugural function was followed by two keynote speeches on "Reliability and quality Assurance on Photo voltaic Technology" by Dr. Nasrudin Bin Abd Rahim and "Phase Change Materials as thermal Energy storage for solar energy systems" for by Dr. Adarsh Kumar Pandey, Research Centre for Nano Materials and Energy Technology, School of Science and Technology, Sunway University, Malaysia. In the afternoon, 24 oral presentations spanning across three sessions conducted at three different venues .The sessions were chaired by Dr. V. Kamaraj, HOD/EEE, Dr. R. Rengaraj ASSP/EEE, Dr. R. Seyezhai ASSP/EEE, Dr. S. Tamilselvi ASSP/EEE, Dr.S. Malathy ASSP/EEE, Dr. R. Ramaprabha ASSP/EEE, Dr. U. Shajith Ali ASSP/EEE and Dr. P. Saravanan ASSP/EEE. A cultural programme was organized on 21st February 2019 evening. The students of SSN college performed various traditional folk dances of Tamilnadu. The cultural programme was followed by Dinner.

The second day started with keynote speech on 'A Novel Approach in Condition & Performance Monitoring of Induction Motors on continuous operation" by Dr. G. S. Ayyappan, Senior Scientist, Central Scientific Instruments Organization (CSIR – CSIO), Chennai. Following the keynote three technical sessions were held with 24 oral presentations. The sessions were chaired by Dr. R. Deepalaxmi ASSP/EEE, Dr. K. Usha ASSP/EEE, Dr. Chittibabu, IIITDM, Dr. Mrunal Deshpande ASSP/EEE, Dr. J. Anitha Roseline ASSP/EEE, Dr. A. N. Aravindan Prof/EEE, Dr. M. Senthil Kumaran ASSP/EEE and Mr. A. Balasubramanian AP/EEE. Post lunch two technical sessions were held and a total of 13 oral presentations spanned across these two sessions conducted at two different venues.

The session chairs were Dr. Ganesh Nagarajan COMSTAR Automotive Ltd, Chennai, Dr. M. Balaji ASSP/EEE, Dr. K. Murugesan ASSP/EEE, Dr. N. B. Muthuselvan ASSP/EEE, Dr. M. Devesh Raj ASSP/EEE and Dr. M. Pandikumar ASSP/EEE.

4th International Conference on Electrical Energy Systems

(ICEES - 2018)

7-9, February 2018

CONFERENCE CHAIR

Dr. V. Kamaraj, Professor and Head, EEE

CONVENERS

Dr. U. Shajith Ali, Associate Professor

Dr. M. Pandikumar, Associate Professor

Dr. S. Malathy, Associate Professor

CO-CONVENERS

Mr. R. Leo, Assistant Professor

Mr. V. Thiyagarajan, Assistant Professor

The 4th International Conference on Electrical Energy Systems (ICEES 2018) was organized by the department of Electrical and Electronics Engineering of Sri Sivasubramaniya Nadar College of Engineering, during 7-9, February, 2018. The conference was technically sponsored by the IEEE Madras section and Power Electronics Society. ICEES-2018 received a huge response from over 250 elite institutes and industries across the globe. The interest of authors in the conference is recorded from the 314 submissions received from 13 different countries. The committee, after much deliberations, selected 152 papers for oral presentation during the conference. The scientific programme of the conference included keynote addresses delivered by Prof. Dr. Saad Mekhilef, Department of Electrical Engineering, University of Malaya, Malaysia, Prof. DIEGO BELLAN, Department of Electronics, Information and Bioengineering, Politecnico di Milano, Milan, Italy, Dr. P. Somasundaram, Anna University, Chennai and Dr. K. Sudhakar, Faculty of Mechanical Engineering, Automotive Engineering Centre(AEC), Universiti Malaysia Pahang, Malaysia along with 143 oral presentations. This conference provided opportunities for the delegates to exchange new ideas and their research experiences to establish research relations for future collaborations.

SSN
SSN COLLEGE OF ENGINEERING
Kalavakkam-603110
Department of Electrical and Electronics Engineering
ICEES 2018

1st INTERNATIONAL CONFERENCE ON POWER AND EMBEDDED DRIVE CONTROL (ICPEDC - 2017)

16-18, March 2017

CONFERENCE CHAIR

Dr. Mrunal Deshpande, Associate Professor

ORGANIZING CHAIRS

Dr. M. Senthilkumaran, Associate Professor

Dr. K. Murugesan, Associate Professor

ORGANIZING CO-CHAIRS

Dr Pandikumar, Associate Professor

Ms. Anitha Roseline, Assistant Professor

Department of Electrical and Electronics Engineering organized a three day IEEE International Conference on Power and Embedded Drive Control (ICPEDC-2017) during 16-18 Mar 2017. The theme of the of the conference was Recent Trends in Power and Embedded drive control towards the creation of green energy and smart world. The inaugural of ICPEDC 2017, 16th March was graced by the Guests of Honor Dr. Prahlad Vadakkepat, Associate Professor, National University of Singapore, Singapore and Dr. R. Jayashri, Associate Professor, University of New South Wales, Australia. The Chief Guest at the inaugural was Dr. M. A. Atmanand, Former Director and Scientist, NIOT and The Chairman, IEEE Madras Section. The inaugural function was followed by two keynote speeches on 'Robotics - Embodied cognition and making man out of machines' by Dr. Prahlad Vadakkepat and 'MMC Based MTDC systems for offshore wind power transmission' by Dr. R. Jayashri. The panel discussion on 'Modern Trends in Embedded Systems' by distinguished members like Dr. Prahlad Vadakkepat, Dr. R. Jayashri and moderated by Dr. V. Kamaraj was a widely appreciated forum. Discussions on the conceptual framework of Robotics and role of embedded systems in robotics technology were presented and deliberated in detail. In the afternoon the technical sessions saw about 30 oral presentations spanning across three sessions conducted at three different venues. The second day started with two keynote speeches on 'Power Electronics Applications in Micro Grid Connected Power System' by Dr. Mahesh K. Mishra, IIT Madras and 'Power Electronics for Wind Energy: From Past to Present and Future' by Dr. Naayagi Ramasamy, New Castle University, Singapore. Following the keynote two technical sessions were held each with 10 oral presentations. Post lunch two technical sessions were held and a total of 20 oral presentations spanned across these two sessions conducted at two different venues. The concluding day of ICPEDC-2017 began with a keynote by Dr. S. Paramasivam Director, Research, Danfoss Industries Pvt. Ltd., Chennai on 'Recent Trends in Power Electronics and Drives'. The last four parallel technical sessions of ICPEDC-2017 hosted 40 oral presentations. In all three days 11 sessions of paper presentations were held and chaired by eminent researchers from academia and industry. The conference was

sponsored by IEEE Madras Section, CSIR & CTS. The conference was supported by IEEE and IEEE Madras Section-Power Electronics Society (PELS). The conference received financial assistance from IEEE Madras section (Rs.12,500/).

The Organizing Committee extends its gratitude to all the delegates, sponsors and IEEE and PELS and last but not the least the SSN College Management and The Principal, Dr. S. Salivahanan for their support.

5th International Conference on Electrical Energy Systems (ICEES - 2019)

21-22, February 2019

CONFERENCE CHAIR

Dr. V. Kamaraj, Professor & Head

Dr. R. Arumugam, , Professor

CONVENERS

Dr. R. Rengaraj, Associate Professor

Dr. M. Balaji, Associate Professor

Dr. N. B. Muthuselvan, Associate Professor

CO-CONVENERS

Dr. U. Shajith Ali, Associate Professor

Dr. M. Devesh Raj, Associate Professor

The 3rd International Conference on Electrical Energy Systems ICEES 2016 was organized by the department during March 17-19, 2016. The Conference provided a plat form for academicians, researchers and industrial professional engineers to present their research findings and developmental activities in the broad area of Electrical Energy Systems. The conference had attracted a total of 150 papers from various institutions and Industries all over the world. The technical committee recommended 90 papers for the presentation, out of which 75 papers have been registered. There were totally three keynote addresses and four invited talks presented in this conference by renowned professors and Industrial experts. There were six technical paper presentation sessions covering the conference theme and spread over three days of this conference.

Keynote Speakers

1. Dr. Prahlad Vadakkepat, National University of Singapore, Singapore
2. Dr. Jayashri Ravishankar, University of New South Wales, Sydney, Australia
3. Dr. Paramasivam Shanmugam, Danfoss India, Chennai

Invited Speakers

1. Dr. Mohan Lal Kolhe, University of Agder, Norway
2. Dr. R. Velraj, Anna University, Chennai

SSN
3rd INTERNATIONAL CONFERENCE
ON
ELECTRICAL ENERGY SYSTEMS
17 - 19
ARCH 2016

3rd NATIONAL CONFERENCE ON POWER ELECTRONICS AND RENEWABLE ENERGY SYSTEMS (PEARES-2015)

26-27, February 2015

CONFERENCE CHAIR

Dr. V. Kamaraj, Professor & Head

Dr. Ranganath Muthu, Professor

ORGANIZING CHAIRS

Dr. R. Seyezhai, Associate Professor

Dr. R. Ramaprabha, Associate Professor

ORGANIZING CO-CHAIR

Mr. M. Pandikumar, Assistant Professor

Department of EEE Organized Third National Conference on Third National Conference on "Power Electronics and Renewable Energy Systems (PEARES-2015)" during Feb 26-27, 2015. The details are,

- Chief Guest: Mrs. Vidhya Sundarajan, Director, Quality & Assurance, Prodapt Solutions Pvt. Ltd., Chennai
- Number of Registered authors: 22
- Chair persons for the sessions: Dr. V. Kamaraj, Dr. Ranganth Muthu, Dr. N. Pandiarajan, Dr. R. Seyezhai, Dr. R. Ramaprabha, Dr. Mrunal Deshpande.
- Lecture/ Tutorial Sessions Handled by:
  - 2 Technical paper sessions
  - Demonstration on FPGA, DSP & ARM Processors for Renewable Energy Systems
  - Keynote address – 1 by Dr. Ranganath Muthu, Professor. /EEE, SSNCE
  - Keynote address – 2 by Dr. V. Kamaraj, Professor & Head./EEE, SSNCE
  - Tutorial –I by Dr. R. Ramaprabha, Associate Prof./EEE, SSNCE
  - Tutorial –II by Dr. R. Seyezhai, Associate Prof./EEE, SSNCE

SSN COLLEGE OF ENGINEERING
Rajiv Gandhi Salai (OMR), Kalavakkam - 603110
Department of Electrical and Electronics Engineering
Third National Conference
on
POWER ELECTRONICS AND RENEWABLE ENERGY SYSTEMS
PERES
2015

National Conference on Recent Trends in Power and Energy Engineering (RTPEE - 2014)

10-11, April 2014

CONFERENCE CHAIR

Dr. V. Kamaraj, Professor & Head

ORGANIZING CHAIRS

Dr. R. Rengaraj, Associate Professor
Dr. N. B. Muthuselvan, Associate Professor
Dr. M. Balaji, Associate Professor
Mr. M. Devesh Raj, Assistant Professor

The department of EEE conducted a ISTE Sponsored National Conference on Recent Trends in Power and Energy Engineering during April 10-11 2014. Out of 80 technical papers received, 28 were selected by the conference technical committee after a peer review process and published in the proceedings. The papers in the proceedings focus on the areas like Power Systems and Control, FACTS & HVDC, Power Quality, Renewable Energy, Power Electron-ics and Drives, Embedded Systems. The oral sessions of the conference were spread over 2 days (10th and 11th April,2014) and two keynote addresses were delivered.

Dr. R.Velraj, Director Centre for Energy Studies was the chief Guest for inaugural function. He also delivered his keynote address in the area of ―*Energy Research*‖ which covered the latest trend in renewable energy resources and about various initiatives taken by the state and central government to meet the future energy crisis. **Dr. S. Salivahanan, Principal, SSNCE,** graced the function and also addressed the dele-gates. The keynote address about smart grid by Dr Premanand V Chandramani and the demonstration about smart grid by VI Microsystems were very useful to the participants.

On behalf of the organizing committee RTPEE 2014, we congratulate all the authors for their com-mendable papers, which highlighted the recent de-velopment in the field of Electrical Energy Systems and also we thank the keynote speakers for their time and effort.