

Department: EEE | Date: 17th to 19th October, 2019

A THREE DAY AICTE SPONSORED INTERNATIONAL CONFERENCE ON "SMART COMPUTING AND CONTROL OF SYSTEMS (ICSCCS-2019)"

The conference was held from 17th to 19th October 2019. It brought together a wide range of researchers, academicians, and research scholars working on the subject title.

It served as the multi-disciplinary platform for exchanging innovative ideas and thoughts on the Smart Computing & Control of Systems and their applications to the society. This scientific meeting had 5 International & 5 National Keynote sessions and in the scheduled sessions 82 Research papers were presented.

Day 1: 17th October, 2019

Session 1: Inauguration and Keynote address by Dr. R. Nagaraja, MD PRDC, Bangalore.

President of International Conference, Mr. Vishnu Manchu, Revered CEO, SVET; Chief Guest, Dr. R. Nagaraja, Founder and MD, PRDC (Power Research and Development Consultants Pvt. Ltd.), Bengaluru; Guests of Honor, Prof. L. Venugopal Reddy, Advisor cum Director, SVET & Dr. Lazar Mathew, Research Advisor, SVET; Convener, Prof. M. S. Sujatha, HoD, Dept. of EEE inaugurated the conference.



Dignitaries lighting the lamp and inaugurating the conference



**Prof. M. S. Sujatha,
Convener delivering welcome address**



**Mr. Vishnu Manchu, CEO, SVET
delivering presidential address**



**Chief Guest Dr. R. Nagaraja
delivering Keynote address**



**Dr. Lazar Mathew,
Research Advisor addressing the gathering**



Delegates relishing the conference souvenir



Participants during inaugural session

Registrations



Participants registering for the conference

Session 2: Invited Talk - 1: "IoT and Cloud Computing Systems" - Dr. Abdul. K. M. Azad, Northern Illinois University, USA.

Delivering the Invited talk Dr. Abdul. K. M. Azad presented his extensive research on "IOT and cloud computing systems" and discussed on the latest IoT components, applications, and market trends of IoT in electrical industry, as well as its current development in cloud computing-based applications.



Dr. Abdul. K. M. Azad delivering a talk on "IOT and cloud computing systems"

Session 2: Invited Talk - 2: "Data Science for IoT" - Dr. Ferdin Jeo John Joseph, Thai-Nichi Institute of Technology, Bangkok, Thailand.

Dr. Ferdin Jeo John Joseph gave a PowerPoint presentation, entitled: "Data science for IOT". In his address, Dr. Ferdin Jeo John Joseph emphasized the role of Data Analytics in the growth and success of IoT applications.



Dr. Ferdin Jeo John Joseph delivering a talk on "Data science for IOT"

Session 3: Invited Talk-3: "Cyber Security for Industrial Applications" - Dr. Norziana Binti Jamil, Universiti Tenaga Nasional, Malaysia.

Dr. Norziana Jamil delivered a lecture on "Cyber security for Industrial applications". Dr. Norziana Jamil discussed on the major insights of Cyber Security in Industrial Automation.



Dr. Norziana Jamil delivering a talk on "Cyber security for Industrial applications"

Session 4: Invited Talk-4: "IoT Applications in Health Care Systems" - Dr. S. Sudesh, University of Cape Town, South Africa.

Dr. Sudesh Sivarasu presented on his research area "IoT Applications in Health Care Systems". Dr. Sudesh explained how IoT can automate patient care workflow with the help of healthcare mobility solution and other new technologies. And also he spoke on next-gen healthcare facilities.



Dr. Sudesh Sivarasu delivering a talk on "IoT Applications in Health Care Systems"

Technical Sessions: Paper Presentations

In the technical sessions, authors presented their research contributions in two parallel sessions.

Technical Session-I: Chaired by Dr. A. K. M. Azad, NIU, USA and co-chaired by Dr. T. Devaraju, Professor, EEE, SVEC.



Participants presenting their research contributions

Technical Session-II: Chaired by Dr. S. Sudesh, UCT, South Africa and co-chaired by Dr. G. Hari Krishnan, Associate Professor, EEE, SVEC.



Participant presenting his research contribution

Cultural Programs



Students performing in cultural programmes

Day 2: 18th October, 2019

Session 1: Invited Talk-5: "Risk basis Security Assessment of a Power System" - Dr. Marayati Binti Marsadek, UNITEN, Malaysia.

Dr. Marayati Binti Marsadek highlighted the importance of assessment of dynamic stability in a modern power system. And she explained the significance of a stringent requirement both in operational planning and in on-line operation due to complex dynamics of a power system.



Dr. Marayati Binti Marsadek delivering a talk on "Risk basis Security Assessment of a Power System"

Technical Sessions: Paper Presentations

In the technical sessions, authors presented their research contributions in three parallel sessions.

Technical Session-III: Chaired by Dr. Marayati Binti Marsadek, UNITEN, Malaysia and co-chaired by Dr. S. Hemachandra, Professor, EEE, SVEC.



Participants presenting their research contributions

Technical Session-IV: Chaired by Dr. Norziana Binti Jamil, UNITEN, Malaysia and co-chaired by Dr. S. Farook, Associate Professor, EEE, SVEC.



Participants presenting their research contributions

Technical Session-V: Chaired by Mr. M. R. Srinivas, Bangalore and co-chaired by Dr. N. M. G. Kumar, Professor, EEE, SVEC.



Participants presenting their research contributions

Session 3: Invited Talk-6: "Power Quality Case Studies" - Mr. M. Srinivas, Chief Technical Officer, Harmonizer, Bangalore.

Mr. M. Srinivas presented the Power Quality issues raised from various industries and possible solutions to address the concerned issues. Mr. Srinivas addressed the seriousness of low power factor and also spoke on various penalties levied on the industry for not maintaining the desired power factor.



Mr. M. Srinivas delivering a talk on "Power Quality Case Studies"

Session 4: Invited Talk-7: "Horse power to Horsepower" - Dr. V. Ganesan, Emeritus Professor, IIT Madras, Chennai.

Dr. V. Ganesan, Research advisor, Dept. of Mechanical Engineering, SVEC delivered a talk on "Horse power to Horsepower". He explained the process of mobility from 1970's to till date and urged the importance of converting the present mechanical vehicles to Electric vehicles.



Dr. V. Ganesan delivering a talk on "Horse power to Horsepower"

Day 3: 19th October, 2019

**Session 1: Invited Talk-8: "Power Control Techniques for Non-Contact Heating Systems"
- Dr. D. Vijay Bhaskar, IIT Dhanbad**

Dr. D. Vijay Bhaskar explored the importance of "Power Control Techniques for Non-Contact Heating Systems", and explained a variety of advanced techniques which are being used for heating purposes in various industries.



Dr. D. Vijay Bhaskar delivering a talk on "Power Control Techniques for Non-Contact Heating Systems"

Session 2: Invited Talk-9: "Artificial Intelligence Techniques and its Applications" - Dr. P. Viswanath, IIIT Sri City

Dr. P. Viswanath gave a lecture on "Artificial Intelligent Techniques and its Applications to Power Systems". He explained about fuzzy logic and neural network based artificial intelligent systems applied to power systems.



Dr. P. Viswanath delivering a talk on "Artificial Intelligence Techniques and its Applications"

Technical Sessions: Paper Presentations

In the technical sessions, authors presented their research contributions in four parallel sessions.

Technical Session-VI: Chaired by Dr. D. Vijay Bhaskar, IIT Dhanbad and co-chaired by Dr. T. Nagaswara Prasad, Professor, EEE, SVEC and Dr. S. Suresh Babu, Associate Professor of EEE, SVEC.

Technical Session-VII: Chaired by Dr. P. Viswanath, IIIT, Sri city and co-chaired by Dr. J. Avanija, Associate Professor, ECE, SVEC.

Technical Session-VIII: Chaired by Dr. M. Humera Khanam, SVU, Tirupati and co-chaired by Dr. M. S. Sujatha, Professor, EEE, SVEC.

Technical Session-IX: Chaired by Dr. I. Kullayamma, Assistant Professor, SVU, Tirupati and co-chaired by Dr. V. R. Anitha, Professor, ECE, SVEC.

7 Research Papers were presented through Skype.

Session 4: Invited Talk-10: "Smart Grid and Micro Grid Technologies and its applications" - Dr. S. Albert Alexander, Kongu Engineering College, Erode, Chennai.

Dr. S. Albert Alexander presented his research topic "Smart Grid and Micro Grid Technologies and its applications". He explained the need for Smart Grid in the present scenario and research avenues in Smart Grid and Micro Grid.



Dr. S. Albert Alexander delivering a talk on "Smart Grid and Micro Grid Technologies and its applications"

Closing Ceremony

Dr.V.Ganesan, Emeritus Professor, IIT Madras, Research advisor, Dept. of ME, SVEC; Dr. P.C. Krishnamachary, Principal SVEC; Dr. I. Sudarshan Kumar, Director (Quality and Development) SVET; Dr. D. V. S. Bhagavanalu, Director, SVEC; Dr. T. Nageswadas, Vice Principal, SVEC; Dr.V.V.Rama Prasad, Dean Academics, SVEC; Dr. D. Vijay Bhaskar, IIT, Dhanbad; Dr. S. Albert Alexander, Kongu Engineering College, Erode; Dr. Humera Khanam, Dept. of CSE, SVU; Dr. Kulayamma, Dept. of EEE, SVU; Dr. M. S. Sujatha, Convener and HoD, EEE graced the valedictory ceremony and Certificates were issued to the Participants.



Chief Guest Dr.V.Ganesan delivering closing remarks

Participants at valedictory ceremony:



Certificate Distribution to the participants:



Chief Guest and the principal distributing certificates to the participants



Participants giving feedback