

## CHIEF PATRONS

Sri. R.Thirunavukkarasu, M.A., Founder and Chairman

Sri. T.Senthilkumar, B.Sc., Vice Chairman

## PATRON

Dr.T.Balamurugan M.E., Ph.D., Principal

## CONVENERS

Dr.C.Venkatesan, M.E., Ph.D., Professor & Head, Department of EEE

Mr.S.Chandrasekaran, M.E., (Ph.D.) Assistant Professor/EEE

## COORDINATORS

Mr.R.Pazhanimurugan, M.Tech., (Ph.D.) Assistant Professor/EEE

Mr.M.Thiyagarajan, M.Tech., Assistant Professor/EEE

## KEY NOTE SPEAKERS

### Dr.S.PARASURAMAN,

Professor, Department of Mechatronics Engineering  
School of Engineering, Monash University Sunway Campus, Malaysia

### Dr.ELANGO NATARAJAN,

Professor, Department of Mechanical and Mechatronics Engineering  
Faculty of Engineering, UCSI University, Kuala Lumpur, Malaysia

### Dr.PRAKASH GAJANAN BURADE

Professor & Head of Department,  
Dean Academics (SITRC), SITRC- SANDIP Foundation, Nashik, Mumbai, INDIA.

## TECHNICAL ADVISORY COMMITTEE

- |  |   |
|--|---|
| ❖ <b>Dr.Alokesh Pramanik,</b><br>Lecturer, Curtin University, Australia                          | ❖ <b>Dr.N.Muruganantham,</b> Associate<br>Professor, Periyamaniammai Institute of<br>Science and Technology, Thanjavur. |
| ❖ <b>Dr.Sesha Sairam Srinivasan,</b><br>Professor, Florida University, USA                       | ❖ <b>Dr.Mohamed Ismail,</b> Professor,<br>BS Abdur rahman University, Chennai   |
| ❖ <b>Dr.Upendra N.Singh,</b> NASA, USA   | ❖ <b>Dr.N.Senthil Kumar,</b> Professor<br>Adhiparasakthi Engineering college,<br>MelMaruvathur, Chennai.                |
| ❖ <b>Dr.Le The Anh,</b> Professor, Vietnam<br>academy of Science and Technology                  | ❖ <b>Dr.G.Giftson Samuel,</b> Professor,<br>Sir Issac Newton College of Engineering &<br>Technology, Nagapattinam.      |
| ❖ <b>Dr.R.Gnanadass PDF.,</b> Professor,<br>Pondicherry Engineering college,<br>Pudhucherry.     | ❖ <b>Dr. T.Suresh Padmanaban,</b> Professor,<br>EGS Pillai Engineering college, Nagai.                                  |
| ❖ <b>Dr.A.Venkatesan,</b> Assistant Professor<br>National Institute of technology,<br>Puducherry | ❖ <b>Dr. S.Ganesan,</b> Assistant Professor,<br>Government Engineering College, Salem.                                  |
| ❖ <b>Dr.A.Albert Martin Ruban,</b> Professor,<br>Kings College of Engineering, Thanjavur.        | ❖ <b>Dr.M.Ramasamy,</b> Professor,<br>Annamalai University, Chidambaram   |
| ❖ <b>Dr.T.D.Sudhakar,</b> Professor,<br>St.Joseph'S Engineering College, Chennai                 | ❖ <b>Dr.S.Jeevanatham,</b> Professor,<br>Pondicherry Engineering College,<br>Pudhucherry.                               |
| ❖ <b>Dr.R.Bensraj,</b> Associate Professor,<br>Annamalai University,<br>Chidambaram.             |   |



## International Conference on "ADVANCED TECHNOLOGIES IN POWER AND ROBOTICS ENGINEERING" IconPOWROBO-'20

20<sup>th</sup> February 2020 – 21<sup>st</sup> February 2020



Organized by  
**Department of Electrical and Electronics Engineering  
Arasu Engineering College,**

Approved by AICTE-Affiliated to Anna University-Accredited by NBA,  
Accredited by NAAC, Recognized by UGC under 2(f) & 12(B)  
Chennai Main Road, Kumbakonam-612501.

## ABOUT THE INSTITUTION

The pride of the institution is that Sri Thirunavukarasu Dhanalakshmi Educational and Charitable Trust caters to the knowledge thirst of the youth. Arasu Engineering College is approved by AICTE, New Delhi and affiliated to Anna University, Accredited by NBA, Accredited by NAAC and Recognized by UGC under 2(f) and 12(B). It is an ISO 9001-2008 certified institution for its merits and continual improvements.

The college offers its students infrastructural facilities of the most modern kind. It has large spacious and airy classrooms, laboratories with latest equipments, large drawing halls, computer lab, air conditioned seminar halls, library etc., making the learning process more effective. Each room is spaciously large to seat students comfortable to do their academic and practical works.

## ABOUT THE DEPARTMENT

The department of EEE is accredited by NBA. It has a team of highly qualified, dedicated and motivated faculty members. It has been evolved into an exciting high technology discipline covering a wide spectrum of engineering activities. For young people, it provides employment opportunities of various natures and one can choose a career to suit his/her aptitudes.

## ABOUT THE CONFERENCE

The objective of this conference is to provide a forum for researchers, Educators, Engineers, Scientists and Government officials involved in the general areas of Electrical, Electronic and Mechanical Engineering from different parts of the country and abroad to disseminate the latest research results and exchange views and future research directions of the following fields:

Smart Power System, Artificial Intelligence, VLSI and Embedded system, Mechatronics and Robotics

Smart Power System	Artificial Intelligence	Robotics
<ul style="list-style-type: none"> <li>❖ Energy storage system and its issues</li> <li>❖ Efficient control of power electronic converters and drives</li> <li>❖ DC and AC Micro grids and issues</li> <li>❖ Smart Grid and issues</li> <li>❖ Energy Management and Audit</li> <li>❖ Green Energy Sources and its issues</li> <li>❖ Power system optimization and applications</li> <li>❖ Economic Dispatch</li> <li>❖ Distributed Power Generation</li> <li>❖ Power system deregulation</li> <li>❖ Power system modeling, simulation and analysis</li> </ul>	<ul style="list-style-type: none"> <li>❖ Artificial intelligence</li> <li>❖ Deep learning</li> <li>❖ Machine learning</li> <li>❖ Fuzzy Logic Control</li> <li>❖ Neural Networks</li> <li>❖ Genetic Algorithm</li> <li>❖ Internet of Things</li> <li>❖ Soft Computing Technologies</li> <li>❖ Scheduling and Optimization Techniques</li> <li>❖ Particle swarm optimization</li> <li>❖ Expert system</li> <li>❖ Biomedical Application</li> </ul>	<ul style="list-style-type: none"> <li>❖ Advanced Motion Control in Mechatronics</li> <li>❖ Actuators/Sensors and Motor Drive in Mechatronics</li> <li>❖ Haptics and Robotics Control</li> <li>❖ Intelligent Control and AL in Mechatronics</li> <li>❖ Automotive Control, Autonomous Vehicles and Electric Vehicles</li> <li>❖ Mobile Robots and UAVs</li> <li>❖ High-Precision Control, Micro/Nano Mechatronics</li> <li>❖ Visual Servo Systems and Image Processing in Mechatronics</li> <li>❖ Network and Communication Technologies in Mechatronics</li> </ul>
VLSI and Embedded System		
<ul style="list-style-type: none"> <li>❖ Analog VLSI</li> <li>❖ Recent trends in Embedded system</li> <li>❖ Nano Electronics</li> <li>❖ MEMS and NEMS</li> </ul>	<ul style="list-style-type: none"> <li>❖ Semiconductor Devices</li> <li>❖ Micro Electronics</li> <li>❖ Wireless Network</li> <li>❖ VLSI Signal Processing</li> </ul>	

- ❖ The conference is not limited by the mentioned topics and application areas and invites researchers, engineers and faculty to present their high-quality papers and presentations in various above mentioned related field.

## SUBMISSION OF PAPERS

- Papers for both oral & Poster presentation should confirm to the IEEE format.
- All manuscripts should be unpublished & Original work of the author.
- Submitted papers to the conference will be published in the reputed journal. (Scopus indexed journal for Engineering Discipline and UGC Approved journal for both Science & Humanities and Engineering Discipline)

## REGISTRATION FEE DETAILS

Category	Foreign Delegates	Indian Delegates
UG and PG Students	US \$ 14	1000 INR
Research Scholars and Faculty Members	US \$ 22	1500 INR
Industry Person	US \$ 28	2000 INR

\*\*\*\* Journal Publication Charges Extra

## IMPORTANT DATES

- ❖ Last Date of Paper Submission : January 31<sup>st</sup>, 2020
- ❖ Date of intimation of Accepted Paper : February 10<sup>th</sup>, 2020
- ❖ Last Date for payment of Registration Fee By Authors : February 15<sup>th</sup>, 2020
- ❖ Conference Date: February 20<sup>th</sup> and 21<sup>st</sup>, 2020.

## PAYMENT DETAILS

- ❖ After receiving the acceptance intimation, you can pay the required amount either by DD favoring 'The Principal, Arasu Engineering College, Kumbakonam' payable at Kumbakonam.
- ❖ Payment can also be made through Net banking.  
Account Number : 121602000000078  
Bank Name : Indian Overseas Bank,  
Branch Name : IOB, Koranattukkaruppur  
IFSc Code : IOBA0001216

## Address for Communication :

The convener, IconPOWROBO-'20  
Department of EEE  
Arasu Engineering college  
Kumbakonam-612501

Mobile: 91-9788460396, 91-9543438150

E-mail: iconpowrobo20@gmail.com, Website : www.aec.org.in