

About 20th National Power Systems Conference

The National Power Systems Conference (NPSC) has been India's premier conference in the area of power engineering since 1981. It is a biennial conference providing a platform for researchers and engineers from Academia, Industry and Utility to exchange their ideas and experiences. The event is an excellent opportunity for fostering academic and industrial collaborations. The "20th National Power Systems Conference- NPSC 2018" will be organized by the Department of Electrical and Electronics Engineering, National Institute of Technology, Tiruchirappalli, Tamil Nadu, India during 14th-16th December 2018.

With the theme of "Towards a sustainable energy future through efficient, smart and green technologies", NPSC 2018 is anticipated to be an engaging journey to bring out new perceptions in the realm of Power Engineering for a Sustainable Energy Future.

The conference will feature various plenary talks, panel discussions and paper presentations on state of the art technologies in Power Systems.

Call for papers:

Conference welcomes papers on the following themes. Further, papers related to other areas of electrical power not specified in the under mentioned categories are also invited:

- Wide Area Monitoring and Control
- New Dielectric and Conducting materials
- Vehicle to Grid technologies
- Energy Storage Systems
- Active Distribution Networks
- High Power Electronic Devices
- Electrical Machine & Drives
- Signal Processing Applications in Power Systems
- Renewable Energy System and Grid Integration
- Power System Stability and Control
- Power System Protection and Security
- FACTS Controllers and HVDC Systems
- Future Grids
- EMS/SCADA
- Micro Grids
- Power Quality
- Optimal Operation
- Smart Sensors
- Big Data Analytics
- Cyber Physical Systems
- Cyber Security
- Situational Awareness
- Transmission Planning
- Smart metering

Important Dates

Online Paper submission opens	: February 17, 2018
Last date for paper submission	: July 15, 2018
Last date for notification of acceptance	: August 15, 2018
Last date for submission of final paper	: September 1, 2018
Online/early bird registration starts	: September 1, 2018
Submission of camera ready paper	: September 15, 2018
Last date for early bird registration	: October 1, 2018
Last date for online registration	: October 30, 2018

Conference Registration (including GST)

Type of Registration	Early bird registration (up to 1 st Oct.)	Registration after 1 st Oct.
Delegates from Industries/ Utilities/R&D organizations	Rs. 10,000	Rs. 12,000
Delegates from academic institutions	Rs. 7,000	Rs. 8,000
Student delegates	Rs. 3,500	Rs. 4,500
Delegates from abroad	US\$ 400	US\$ 500

Note: At least one author has to register online before the last date for the submission of camera-ready paper. A discount of 20% will be available for online registration of IEEE members. Papers from the conference proceedings will be included in IEEE Explore. Prestigious awards will be conferred for best papers.

Information for Authors

The authors have to submit the full paper in the IEEE double column format, restricted to a length of six pages. Detailed instructions and guidelines regarding paper submission are available at the following URL: <http://npsc2018.nitt.edu/>

Sponsorship

Financial sponsorships for NPSC – 2018 are invited under the following categories. Prospective sponsors are requested to visit the conference website <http://npsc2018.nitt.edu/> to get more details about the type of sponsorship and the associated benefits.

Platinum Sponsor	: Rs. 6 Lakhs
Gold Sponsor	: Rs. 5 Lakhs
Silver Sponsor	: Rs. 4 Lakhs
Bronze Sponsor	: Rs. 3 Lakhs

About EEE Department, NIT Tiruchirappalli

Started in the year 1964, the Department of Electrical and Electronics Engineering, offers one undergraduate programme in EEE, two postgraduate programmes (Power Systems & Power Electronics) and research degrees (M.S. & Ph.D.) in various fields of Electrical and Electronics Engineering. The Department is recognized for leadership in research, teaching and service to the profession.

About NIT Tiruchirappalli

The National Institute of Technology (formerly known as Regional Engineering College) Tiruchirappalli, was started as a joint and co-operative venture of the Govt. of India and the Govt. of Tamil Nadu during 1964 to meet the needs of technical manpower in this region of the country. The institute was recognized as an Institute of National Importance by the Government of India under the National Institutes of Technology Act, 2007. NIT Trichy has emerged as one of the leading institutions in the field of technical education with excellence in academics, research, industry connect, social engagement and financial management. Ranked by NIRF 2018 as one among the top 50 institutions, occupying the 11th position under technical institutions, NIT Trichy leads the rankings among 31 NITs in the country. At the regional level, NIT Trichy also features in the top 250 positions in QS Asia Rankings 2018. Today, NIT Trichy offers 10 undergraduate and 27 postgraduate programs and research degrees. A salubrious campus with excellent academic departments, dedicated teachers and cream of students drawn across the country renders the institute to be the dream destination for all stakeholders.

About Tiruchirappalli

Tiruchirappalli (known as Trichy) is situated in the centre of the state of Tamil Nadu, on the banks of the river Cauvery. The city is the administrative headquarters of Tiruchirappalli District. Trichy encompasses Srirangam, the foremost Vaishnavite temple and the largest functioning Hindu temple in the world. "ThiruAnaikka" (ThiruvAnaikkaval), located very close to Srirangam temple and one of the five main abodes ("Panchaboodha Sthalam") of Lord Shiva, is the House of Water (Jalalingam). Tiruchirappalli is home to many other historic temples, monuments, churches and mosques. With over 2,500 years of known history, it was the capital of the early Cholas. It was an important town in the days of the later Cholas, Nayaks, and also during the early days of the British East India Company. Considered an educational town, Tiruchirappalli has a few schools and colleges that are older than hundred years. Trichy is the home to several prominent educational institutions such as Bharathidasan University, National Institute of Technology, the Government Law College, Bharathidasan Institute of Management, Indian Institute of Management, K.A.P.V. Medical College and St. Joseph's College where former Indian President Dr. A.P.J. Abdul Kalam graduated. There are some major industrial houses in Trichy such as BHEL (Bharat Heavy Electricals Limited), Ordinance Factory, and Railway Workshop. The city is well connected by rail, air and road to the rest of the country and enjoys a very pleasant weather in the month of December.

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NPSC – 2018
14th – 16th December



Organised by
Department of
Electrical and Electronics Engineering,
National Institute of Technology
Tiruchirappalli, Tamil Nadu, India

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