

2025 Second International Conference on Systems, Control and Automation (ICSCA-2025)

December 26-27, 2025



Organized by the Department of Electrical Engineering at National Institute of Technology Kurukshetra, India (in hybrid mode)



All the recommended papers after the presentation will be submitted to the Springer and the final papers accepted by Springer (after a quality check) will be published online in "Lecture Notes in Electrical Engineering" series [Scopus Indexed] (<https://www.springer.com/series/7818>). Best paper presentation award will be given as per the thematic session in the conference.

For details, please visit at <https://sites.google.com/nitkkr.ac.in/icsca-2025/home>

Theme of the Conference: Industrial Automation for a Sustainable Future

<p style="text-align: center;">Patron</p> <p>Prof. B. V. Ramana Reddy, Director, NIT KKR</p> <p style="text-align: center;">Co-Patron & Advisor</p> <p>Prof. Lillie Dewan, Prof., EED, NIT KKR</p> <p style="text-align: center;">General Chair</p> <p>Prof. Jyoti Ohri, Prof., EED, NIT KKR Prof. J.S Lather, Prof., EED, NIT KKR</p> <p style="text-align: center;">Program Chair/ Secretary</p> <p>Dr. Bhanu Pratap, Assist. Prof., EED, NIT KKR Dr. Shashi Bhushan Singh, Assist. Prof., EED, NIT KKR Dr. Rajesh Kumar, Assist. Prof., EED, NIT KKR</p> <p style="text-align: center;">Finance Committee</p> <p>Prof. Yashpal, Prof., EED, NIT KKR Dr. Monika Mittal, Assoc. Prof., EED, NIT KKR Dr. Murlidhar Killi, Assist. Prof., EED, NIT KKR</p> <p style="text-align: center;">Publication Committee (Editorial Board)</p> <p>Dr. Prashant Singh, VTT TRC, Finland Dr. Arunesh Kumar Singh, Jamia Millia Islamia, Delhi Dr. Rajesh Kumar, Assist. Prof., EED, NIT KKR</p> <p style="text-align: center;">IT & Publicity Committee</p> <p>Dr. V. G. Rayudu, Assist. Prof., EED, NIT KKR Sh. Himanshu Reddu, Tech. Assist., CCN, NIT KKR</p>	<p>About the Conference</p> <p>ICSCA-2025 is the second series of International Conference on Systems, Control and Automation organized by NIT Kurukshetra. For the first time, this conference was initiated by NIT Kurukshetra in year 2023. It will be providing an ideal platform for technical exchange, networking and most importantly emphasizing on the innovation and promotion of the use of automation technology among academia and industry. For the sustainable development and growth of automation in industries, advances in systems, and control are important enabling technologies. We hope ICSCA-2025 will be one of the remarkable and unforgettable events for the all.</p> <p>About NIT Kurukshetra</p> <p>NIT Kurukshetra, formerly known as Regional Engineering College, Kurukshetra, was founded in 1963. It was conferred upon the NIT status with Deemed University on June 26, 2002. The Institute offers several courses in various disciplines of B.Tech., M.Tech., MBA and MCA, and Ph.D. with an annual intake of about 1500 students. Institute also provides excellent facilities for advanced research in the emerging areas of Engineering, Science, and Technology. The institute has well-qualified and dedicated faculty along with supporting staff, laboratories, and other infrastructure. The infrastructure is geared to enable the institute to produce technical personnel of high quality.</p> <p>About Department of Electrical Engineering</p> <p>The Department offers B. Tech, M. Tech, and Ph.D. Degrees. The B.Tech. program in Electrical Engineering provides is run with a number of elective courses. The department has three M. Tech courses with specialization in Control Systems; Power Systems; Power Electronics and Drives and offers Ph.D. in different areas evolving innovations and developments in all disciplines of Electrical Engineering.</p> <p>The significant research areas are Robust Control, Adaptive Control, Nonlinear Systems, Instrumentation, Signal Processing, Reliability and System Engineering, Cyber-Physical Systems, Renewable Energy, Electric Vehicles, Marine Robotics, Industrial Automation, Robotics, Intelligent Control, etc.</p> <p>Paper Submission Guidelines</p> <p>Prospective authors are requested to submit their paper whose length should be more than 05 pages. The paper must clearly state the objectives of the work, its significance in the advancement of scientific and technical knowledge.</p>
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Tracks of the Conference

<p>Track 1: Advances in System, Control & Automation Advances in theoretical aspects of System, Control and Automation (SCA), Adaptive, robust, distributed, intelligent, and digital control, Process control and automation, Estimation, modeling and identification, Novel instrumentation for process measurement</p> <p>Track 2: Sensors, Robotics & Automation SMART sensors, vision sensors, sensor fusion, wireless sensors, and internet of things, MEMS, Robotics, Mechatronics, Remote sensing, telemetry and its applications, Automated vehicle control, Wireless sensor networks</p> <p>Track 3: Signals analysis, Conditioning & Monitoring Signal analysis, image processing and health monitoring applications, Sensor network and internet of things, Instrumentation for condition monitoring, Application of CA in wireless communication system, Fault analysis and reliability of instruments</p>	<p>Track 4: Circuits and Systems Biomedical circuits and systems, Linear and nonlinear circuits and systems, Sensory circuits and systems, Bioinspired and bioengineering circuits and systems, Communication circuits and systems</p> <p>Track 5: Computational Intelligence and Automation Fuzzy, neural, and optimization techniques in SCA, FPGA, real time system, and embedded system, Virtual instrumentation.</p> <p>Track 6: Automation in Green Energy and Interdisciplinary Areas Application of Control & Automation in power electronics and drive, smart grid, and Microgrids, power quality monitoring, power system protection, Application of Control & Automation in other engineering fields, Instrumentation and control in power generation.</p>
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Registration Fees				Contact Details	
Registration Category	Indian Delegates (in INR)		Foreign Delegates (in USD)		E-mail: icsca2025@gmail.com
	Up to 10/11/2025	After 10/11/2025	Up to 10/11/2025	After 10/11/2025	
Students/Research Scholars/JRF/SRF	3,000+GST@18%	4,000+GST@18%	100+GST@18%	150+GST@18%	Mobile no: +91-9971252729; +91-8950214329; +91-9468034271; +91-9467500101
From Academia	4,000+GST@18%	5,000+GST@18%	200+GST@18%	250+GST@18%	
From Industry/R&D	6,000+GST@18%	7,000+GST@18%	300+GST@18%	350+GST@18%	

Important Dates		Important Links	
Submission of full manuscripts:	20th September 2025 15th October 2025	Conference Website: https://sites.google.com/nitkkr.ac.in/icsca-2025/home	
Notification of acceptance:	30th September 2025 30th October 2025	Paper Submission Link: https://cmt3.research.microsoft.com/ICSCA2025/Submission/Index	
Submission of camera-ready paper:	16th October 2025 05th November 2025	The template concerning the paper is available at: https://www.springer.com/us/authors-editors/conference-proceedings	
Early Bird Registration:	16th October 2025 to 10th November 2025	Google Map to reach NIT Kurukshetra: https://rb.gy/17kr0	
Late Registration (After):	10th November 2025		