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**Special Session on**

**Recent Trends in Cyber Physical Systems and Industrial Automation**

**Theme**: Cyber-physical systems (CPS) and industrial automation have introduced a massive transformation in the landscape of modern day technology development. From smart healthcare to automotive industry, from energy sector to agricultural automation, CPS has played a significant role in overall system improvement and increasing efficiency. With the integration of edge computing, artificial intelligence, and 5G connectivity, there is a notable push towards enhanced real-time processing, data analytics, and connectivity in industrial settings. The emergence of digital twins, increased focus on cybersecurity, and the adoption of robotic process automation further intensified the dynamic evolution of these technologies. This special session dedicated to CPS and industrial automation will provide a platform for experts, researchers, and industry professionals to exchange insights, share cutting-edge developments, and address the challenges associated with this rapidly evolving field. This will help in building collaboration, and facilitate the exploration of innovative solutions, towards shaping the future of technology developments and industrial processes.

Topics of interest include, but are not limited to:

* AI and ML in Cyber Physical Systems and Industrial Automation
* Scheduling in Cyber Physical Systems and Industrial Automation
* Scheduling Industrial Processes
* Industrial Process Automation
* Industrial Internet of Things
* Robotics and Automation
* Optimization in Cyber Physical Systems and Industrial Automation
* Applications: smart grid, renewable energy, intelligent transportation system and electric vehicles
* Security and privacy measures in Cyber Physical Systems

Organizers:

1. Dr. Pranay Kumar Saha, Indian Institute of Technology (IIT) – ISM Dhanbad, India Email: [pranay@iitism.ac.in](mailto:pranay@iitism.ac.in), <https://cse.iitism.ac.in/cse_faculty_details>
2. Dr. Nilotpal Chakraborty, Indian Institute of Information Technology (IIIT) Guwahati, India, Email: [nilotpal@iiitg.ac.in](mailto:nilotpal@iiitg.ac.in), <https://www.iiitg.ac.in/computer-science-and-engineering/dr-nilotpal-chakraborty>