About

The Symposium on Control, Communication and Embedded System for Robotics (SOCCER 2020), is planned with an aim of exploring the research and development works pertaining to intelligent control, deployment of intelligent and non-linear control and embedded control for robotic systems emerging for real life operating environement. SOCCER2020 aims to bring the researchers, academicians, industry and government personnel together to share and discuss on the various aspects of robotics. The symposium will witness eminent keynote speakers from all over the world from academia and indusrty along with presentation of peer reviewed papers.

Publication

- **SOCCER 2020 will be published in Springer Book Series "Smart Innovation, Systems and Technologies"** as an **edited volume** (not as conference proceedings).
- Authors will submit the extended version of their presented paper after the Symposium.
- Extended version of the papers will be published as book chapters.
- For detailed guidelines on paper submission please visit the website.

SOCCER
3rd-4th October 2020

International Symposium on Control, Communication and Embedded System for Robotics [VIRTUAL Symposium]

Organized By:
Electrical Engineering Department, NIT Silchar in collaboration with Dalhousie University, Canada.

Sponsored By: SPARC, MHRD, Govt.of India

Best Paper Award

- **Two best paper** awards will be given to the best theoretical and application papers.
- **"Best presenter"** award will be declared from each session for the symposium.
- The papers' scientific contribution, writing and presentation style will be considered in the evaluation process.

Contact Us

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Symposium will be held in Google Meet
http://soccer2020.nits.ac.in/

Topics

Topics of interests include, but are not limited to the followings

- Intelligent control over wireless network
- Control of space vehicles
- Control problems of Haptic devices, Tele-manipulation and Networked robots
- Robot control
- Force and compliance control
- Multi cooperative control
- Sensory based robot control
- Compact and efficient power for robots
- Industrial robot control applications for manufacturing
- Embedded control design for networked control robots and industrial robotic systems
- Medical robotics.
- Electric Vehicle
- Machine learning for robotics
- Robotic Surveillinece of power systems
- Control of Grid to Vehicle (G2V) System
- Electric drives for robots
- Energy efficient robotic system
- Robotis for SMART building infrastructure
- Mechatronics theory and applications
- SMART Mobility Aids
- Robotics and control for COVID 19
- Soft computing techniques in robotic applications

Committee

Patron

- Prof. Sivaji Bandyopadhay, Director, NIT Silchar, Assam, India.

Program Chair

- Prof. Jason Gu, Electrical and Computer Engineering, **Dalhousie University, Canada.**
- Prof. Nalin B Dev Choudhury, HoD, Electrical Engineering, **NIT Silchar, India.**

Technical Chair

- Prof. Binoy Krishna Roy, NIT Silchar, India.
- Prof. B. Bandyopadhyay, CISCON, IIT Bombay, India.

** For details please visit the website
http://soccer2020.nits.ac.in/

Registration for virtual symposium

	Indian Participant	Foreign Participant
Students	Rs. 500	$ 10
Faculty	Rs. 1000	$20
Industry	Rs. 1000	$ 20