



2024 IEEE Students Conference on Engineering and Systems (SCES-2024)

June 21 – 23, 2024

Department of Electrical Engineering,
Motilal Nehru National Institute of Technology Allahabad,
Prayagraj, India - 211004

Co-sponsored by
IEEE Society Chapters of IE, PEL & CS
and Technically & Financially Co-
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IEEE UP Section



Theme: Interdisciplinary Technologies for Sustainable Future

Program at a Glance

Day 1: June 21, 2024 [Friday]			Venue
8AM onwards	Registration		ISH
09:30 – 10:15	Inaugural Function		ISH
10:15 – 10:30	High Tea		ISH
10:30 – 12:00	Keynote 1: Prof. Saraju Mohanty, University of North Texas, USA. Towards Cyber-Fortifying the Smart Healthcare System	K1	ISH
12:00 – 13:30	Computer Networks & Machine Learning - I Paper IDs: 283, 378, 380, 382, 401	CS_S1	LHC3
	Power, Energy & Control – I Paper IDs: 97, 95, 159, 177, 210	EE_S1	Offline/LHC4
	Electronics, Communication & Signal Processing - I Paper IDs: 187, 226, 270, 322, 995	ECE_S1	LHC5
	Computer Networks & Machine Learning - II Paper IDs: 9, 48, 101, 103	CS_S2	LHC6
	Power, Energy & Control – II Paper IDs: 709, 732, 760, 813, 825	EE_S2	LHC7
	Electronics, Communication & Signal Processing - II Paper IDs: 464, 466, 155, 222, 391	ECE_S2	LHC8
13:30 - 14:30	Lunch Break		ISH
14:30 – 16:00	Keynote 2: Prof. Bhavesh Kumar R.Bhalja, IIT Roorkee, India Cyber Security Aspect in Electrical Power Network	K2	ISH
16:00 - 16:15	Tea Break		ISH
Online Technical Sessions [Oral Presentation: A/N Session]			
16:15 – 17:45	Computer Networks & Machine Learning - III Paper IDs: 70, 110, 111, 152, 154, 176	CS_S3	LHC3
	Power, Energy & Control – III Paper IDs: 858, 860, 861, 901, 903	EE_S3	Offline/ LHC4
	Electronics, Communication & Signal Processing - III Paper IDs: 427, 695, 716, 762, 776	ECE_S3	LHC5
	Computer Networks & Machine Learning - IV Paper IDs: 232, 246, 291, 307, 364	CS_S4	LHC6
	Power, Energy & Control – IV Paper IDs: 905, 911, 969, 970, 974	EE_S4	LHC7
	Electronics, Communication & Signal Processing - IV Paper IDs: 959, 977, 939, 992, 994	ECE_S4	Offline/LHC8
End of Day-1			

Day 2: June 22, 2024 [Saturday]			
09:00-10:30	Keynote 3: Prof. Binoy Krishna Roy, NIT Silchar, India Usual Approaches vs. Reality – Linear Model to Nonlinear Model	K3	ISH
10:30 - 10:45	Tea Break		ISH
Online Technical Sessions [Oral Presentation: F/N Session]			
10:45-12:15	eXplainable Artificial Intelligence (XAI) for Cyber-Physical Systems Paper IDs: 212, 221, 230, 244, 294	SS_2	LHC3

WEBSITE: <http://mnnit.ac.in/sces2024/>

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	Computer Networks & Machine Learning - V Paper IDs: 367, 370, 383, 406, 407	CS_S5	Offline/ LHC4
	Power, Energy & Control – V Paper IDs: 989, 45, 59, 99, 107	EE_S5	Offline/ LHC5
	Electronics, Communication & Signal Processing - V Paper IDs: 798, 883, 894, 915, 950	ECE_S5	LHC6
	Computer Networks & Machine Learning - VI Paper IDs: 424, 436, 486, 487, 490	CS_S6	LHC7
	Power, Energy & Control – VI Paper IDs: 123, 218, 231, 287, 303	EE_S6	LHC8
12:15-13:45	Panel Discussion: Career opportunities in Engineering Panelists:		P1
	<ol style="list-style-type: none"> Prof. Yogesh Singh Chauhan (IITK), (Chairman, IEEE UP Section) Prof. J. Ramkumar (IITK), IITK (Adviser, IEEE UP Section) Prof. R. K. Singh, (IIT BHU), (Secretary, IEEE UP Section) Prof. Raghvendra Chaudhary (IITK), (Treasurer, IEEE UP Section) 	<ol style="list-style-type: none"> Prof. R K Singh (MNNIT), IEEE Society Chapter (IE) Prof. A K Singh (MNNIT), IEEE Society Chapter (PEL) Dr. Deepak Kumar (MNNIT), Joint Society Chapter (CS) 	
13:45-14:30	Lunch Break		ISH
14:30–16:00	Power, Energy & Control – VII Paper IDs: 320, 373, 586, 591, 665	EE_S7	offline/ LHC3
	Computer Networks & Machine Learning - VII Paper IDs: 891, 910, 914, 919, 933	CS_S7	LHC4
	Power, Energy & Control – VIII Paper IDs: 803, 805, 821, 850, 898	EE_S8	LHC5
	Smart Technologies for Sustainable Energy, Environment, and Transportation System Paper IDs: 171, 483, 569, 957, 81	SS_1	Offline/ LHC6
	Computer Networks & Machine Learning - VIII Paper IDs: 557, 601, 633, 678, 722	CS_S8	LHC7
	Power, Energy & Control – IX Paper IDs: 251, 271, 306, 561, 676	EE_S9	LHC8
16:00 - 6:15	Tea Break		ISH
16:15 –17:45	Keynote 4: Prof. Mani Bhushan, IIT Bombay, India Optimal Sensor Placement: Objectives and Methods		K4
18:00-20:00	Cultural events		
20:00- 22:00	Conference Dinner		
	End of Day-2		

Day 3: June 23, 2024, Sunday

09:00 –10:30	Tutorial-1: Dr. Vishvas Pandey, Fermilab, USA Particle Physics at the Frontier: Unraveling the Mysteries of the Universe and Driving Technological Advancement	T1	ISH
10:30-10:45	Tea Break		ISH
10:45 –12:15	Computer Networks & Machine Learning - IX Paper IDs: 787, 852, 856, 859, 866	CS_S9	Offline/ LHC3

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	Computer Networks & Machine Learning - X Paper IDs: 468, 478, 934, 965, 681	CS_S10	LHC4
	Computer Networks & Machine Learning - XI Paper IDs: 387, 390, 439, 488, 879, 377*	CS_S11	LHC5
	Mechanical Systems and Mechatronics, Applied Sciences Paper IDs: 126, 233, 384*, 878, 34	AS_1	Offline/ LHC8
12:15 –13:45	Tutorial-2: Dr. Twinkle Tripathi, IIT Kanpur, India Consensus in time-varying graphs: a graph theoretic approach	T2	ISH
	Lunch Break		ISH
14:30 –16:00	IEEE Student Members Meeting/ Award Function/ Valedictory		ISH
End of Day-3/ SCES-2024			

*Tentative

ISH – Institute Seminar Hall, MNNIT

LHC – Lecture Hall Complex, MNNIT

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Guidelines and Instructions for Online Participation via Microsoft Teams

Dear Participants,

We are excited to have your presence at SCES-2024. To ensure a smooth and successful online presentation experience, please follow the guidelines and instructions below:

General Instructions:

1. Event/Session Schedule (Keynote/Tutorial Talks/Etc.):

- Please check the final program schedule shared in WhatsApp group/conference website to confirm the time and date of Talk/Session/Event.
- Make sure to join the session at least 15 minutes before scheduled time.

2. Joining the Session:

- Use the specified link provided in the program schedule for your session to join via email. Please set your display name as **PaperID_Name of Presenter**. For Ex. If your PaperID is 355 and Name is xyz, then you should set your display name as **355_xyz**.
- Click on the link to join the session. If you have any issues joining, please contact us.

3. Technical Requirements:

- Ensure you have a stable internet connection.
- Use a computer with a webcam and microphone.
- Install the latest version of Microsoft Teams on your device. You can download it [here](#).

Instructions for Paper Presentations:

4. Preparing Your Presentation:

- Prepare your slides in a format that is easy to view on screen. We recommend using a 16:9 aspect ratio.
- Limit the amount of text on each slide and use large fonts for readability.
- Incorporate visuals such as images, charts, and graphs to enhance your presentation.

5. During Your Presentation:

- Please set your display name as **PaperID_Name of Presenter**.
- Introduce yourself (Name, Paper ID, Title and Affiliation) and briefly summarize your research before diving into the details.
- Keep an eye on the time to ensure you stay within the allotted presentation duration.
- Use the "Share Screen" feature in Teams to display your slides.
- Speak clearly and at a moderate pace. Ensure your microphone is unmuted when speaking and muted when not.

6. Q&A Session:

- After your presentation, there will be a Q&A session moderated by the session chair.
- Attendees can ask questions via the chat feature or by unmuting themselves.
- Please be prepared to answer questions and engage with the audience.

7. Technical Support:

- If you encounter any technical difficulties, please reach out to our technical support team immediately.
- We recommend performing a test run with Teams to familiarize yourself with the platform and identify any potential issues in advance.

8. Recording:

- All sessions will be recorded for future reference. By presenting, you consent to being recorded.
- If you have any concerns *about the recording, please inform the organizing committee beforehand*.

Thank you for your cooperation. We look forward to your participation and contribution to SCES-2024.

Best regards,

SCES-2024 Organizing Committee.

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