



# IEEE North-East India International Energy Conversion Conference and Exhibition (NE-IECCE) 2025

July 4-6, 2025

1<sup>st</sup> Flagship Conference of IEEE IAS Joint Chapter of IEEE Silchar Subsection | @ National Institute of Technology Silchar, Assam | India



Program Schedule @ a Glance (Indian Standard Time GMT+5:30)

DAY 1 : 4<sup>th</sup> JULY 2025

Guest House Auditorium (GHA)

Time	Program	Venue
08.30 AM Onwards	IEEE NE-IECCE 2025 Registration	GHA Entrance
09.30 AM - 11.00 AM	<b>Tutorial 1</b> Design and Engineering of High Power Converters Prof. Sujit K. Biswas <i>Former Professor, Jadavpur University</i>	Guest House Auditorium
11.00 AM - 11.15 AM	Tea Break	Guest House First Floor
11.15 AM - 12.45 PM	<b>Tutorial 2</b> Power Architecture and Control of Indian Railway Traction Converter Dr. Avanish Tripathi <i>IIT Delhi</i>	Guest House Auditorium
12.45 PM - 01.45 PM	Lunch Break	SAC Building (Near Central Library, NIT Silchar)

01.45 PM - 03.00 PM	<b>Tutorial 3</b> Interconnection and Interoperability of Distributed Energy Resources <b>Dr. Sivaneasan Bala Krishnan</b> <i>Deputy Director, SIT Teaching and Learning Academy</i>	Guest House Auditorium
03.00 PM - 03.15 PM	<b>Tea Break</b>	Guest House First Floor
03.15 PM - 04.30 PM	<b>Tutorial 4</b> Aerospace Electrification and Condition Monitoring <b>Dr. Sivakumar Nadarajan</b> <i>National University of Singapore</i>	Guest House Auditorium
04.30 PM - 05.30 PM	<b>IEEE IAS NE-IECCE Students Symposium</b> <i>(Poster Presentation Session 1)</i> + <b>Networking High Tea</b>	<b>SAC Building</b> (Near Central Library, NIT Silchar)
05.30 PM Onwards	<b>Magic Show</b>	<b>SAC Building</b> (Near Central Library, NIT Silchar)



## DAY 2 : 5<sup>th</sup> JULY 2025

### Guest House Auditorium (GHA) / EE Dept. NIT Silchar

Time	Program	Venue
08.00 AM Onwards	Break Fast	<b>SAC Building</b> (Near Central Library, NIT Silchar)
09.00 AM – 10.30 AM	<b>Technical Session - 1</b>	<b>EE Department, NIT Silchar</b>
	Oral Presentation-1	EED Seminar Hall
	Oral Presentation-2	CIA Classroom
	Oral Presentation-3	PESE Classroom
	Oral Presentation-4	CR-01
	Oral Presentation-5	Project Lab
09.30 AM – 10.30 AM	<b>IEEE IAS NE-IECCE Students Symposium</b> <i>(Poster Presentation Session 2)</i>	<b>SAC Building</b> (Near Central Library, NIT Silchar)
10.30 AM - 11.00 AM	<b>Tea Break</b>	Guest House First Floor
11.00 AM - 11.40 AM	<b>IEEE NE-IECCE 2025 Inauguration</b>	Guest House Auditorium
11.40 AM - 12.20 PM	<b>Keynote 1</b> Power Supplies Design for Data Center Power System Stability <b>Prof. Jian Sun</b>	Guest House Auditorium

	<i>Rensselaer Polytechnic Institute &amp; Director, New York State Center for Future Energy Systems (CFES)</i>	
12.20 PM - 01.00 PM	<b>Keynote 2</b> <b>Interoperability of Grid-forming Controls for Inverter-based Resources</b> <b>Prof. Sairaj Dhople</b> <i>University of Minnesota Minneapolis, USA</i>	Guest House Auditorium
01.00 PM - 02.00 PM	<b>Lunch Break</b>	<b>SAC Building</b> (Near Central Library, NIT Silchar)
02.00 PM – 02.40 PM	<b>Keynote 3</b> <b>Silicon and Wide Bandgap Power Semiconductors/ Modules for Power Conversion: Trends, New Technologies, and Challenges</b> <b>Dr. Gourab Majumdar</b> <i>Mitsubishi Electric Corporation (Power Device Works)</i>	Guest House Auditorium
02.40 PM – 03.20 PM	<b>Keynote 4</b> <b>Technical Trends of Electric Motor and Drives for Industrial Applications</b> <b>Dr. Kouki Matsuse</b> <i>Meiji University, Japan</i>	Guest House Auditorium
03.20 PM – 04.00 PM	<b>IEEE WIE Panel Discussion</b> <i>EmpowerHER : Mentor, Network &amp; Lead for Bridging Gaps to Empower Women to become NextGen Leaders in Technology</i>	Guest House Auditorium
04.00 PM – 04.15 PM	<b>Tea Break</b>	Guest House First Floor
04.15 PM – 05.15 PM	<b>IEEE IAS NE-IECCE Students Symposium</b> <i>(Poster Presentation Session 3)</i>	<b>SAC Building</b> (Near Central Library, NIT Silchar)
04.30 PM – 6.00 PM	<b>Technical Session - 2</b>	<b>EE Department, NIT Silchar</b>
	Oral Presentation-7	CR-01
	Oral Presentation-8	CR-02
	Oral Presentation-9	Project Lab
	Oral Presentation-10A	CIA Classroom
	Oral Presentation-10B	PESE Classroom
	Oral Presentation-11	EED Seminar Hall
	Oral Presentation-12	Maths Seminar Hall
07.00 PM – 09.30 PM	<b>GALA DINNER</b> <i>(with Light Music)</i>	<i>Sagarika Resort, Silchar</i> 



## DAY 3 : 6<sup>th</sup> JULY 2025

### Guest House Auditorium (GHA) / EE Dept. NIT Silchar

Time	Program	Venue
08.00 AM Onwards	Break Fast	SAC Building (Near Central Library, NIT Silchar)
09.00 AM – 09.40 AM	<b>Keynote 5</b> ANN Based Wind and SPV Power Forecasting Prof. SN Singh Director, IIIT Gwalior (Professor, IIT Kanpur)	Guest House Auditorium
09.40 AM – 10.30 AM	<b>IEEE SYP Panel Discussion</b> Inspire & Ignite the Young Minds to be Tomorrow's Tech Leaders - IEEE Youth Perspectives	Guest House Auditorium
10.30 AM – 11.00 AM	Tea Break	Guest House First Floor
11.00 AM – 12.00 PM	<b>IEEE IAS NE-IECCE Students Symposium</b> (Poster Presentation Session 4)	SAC Building (Near Central Library, NIT Silchar)
11.00 AM – 01.00 PM	<b>Technical Session - 3</b>	<b>EE Department, NIT Silchar</b>
	Oral Presentation-13	EED Seminar Hall
	Oral Presentation-14	CIA Classroom
	Oral Presentation-15	PESE Classroom
	Oral Presentation-16	CR-01
	Oral Presentation-17	Project Lab
	Oral Presentation-18	Maths Seminar Hall
01.00 PM – 02.00 PM	Lunch Break	SAC Building (Near Central Library, NIT Silchar)
02.00 PM – 02.15 PM	<b>Industry Talk</b> dSPACE India Solutions, Bangalore	EED Seminar Hall
02.15 PM – 02.30 PM	<b>Industry Talk</b> Entuple Technologies Pvt. Ltd., Bangalore	EED Seminar Hall
03.00 PM – 04.00 PM	Valedictory & Award Distribution	Guest House Auditorium
04.00 PM Onwards	Tea Break + Nearby Tea Garden Visit	GHA Entrance

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