



3rd International Conference
on
Emerging Electronics & Automation (E2A) – 2023
(15th – 17th December 2023)
National Institute of Technology Silchar, Silchar, Assam –
788010



Technical Program - Session wise Details

Day & Date	Time	Session	Details of Session	
Day-1 (Friday) 15 December 2023	08.30 – 08.55		Registration <i>Venue: Dr. Bhupen Hazarika Auditorium, New Library</i>	
	09.00 – 09.30		Inaugural Ceremony <i>Venue: Dr. Bhupen Hazarika Auditorium, New Library</i> <i>Google Meet Link: https://meet.google.com/pbs-eicn-hrx</i>	Patron - Prof. Dilip Kumar Baidya, Director, NIT Silchar Honorary Chair – Prof. D. Subbaram Naidu, University of Minnesota, USA Chief Guest - Prof. Sarat Kumar Patra, Director, NIT Agartala
	09.30 – 10.00		High Tea	
	10.00 – 10.55	Keynote Talk – 1 (Offline)	Prof. Sarat Kumar Patra, Director, National Institute of Technology Agartala Topic: AI and Deep learning in Wireless Communication <i>Venue: Dr. Bhupen Hazarika Auditorium, New Library</i> <i>Google Meet Link: https://meet.google.com/pbs-eicn-hrx</i>	
	11.00 – 11.55	Keynote Talk – 2 (Offline)	Dr. Sushil Chandra, Scientist G (Retired), INMAS DRDO, Delhi Topic: CogniSync: Bridging Minds and Machines for Futuristic Automation <i>Venue: Dr. Bhupen Hazarika Auditorium, New Library</i> <i>Google Meet Link: https://meet.google.com/pbs-eicn-hrx</i>	
	12.00 – 12.55	Keynote Talk – 3 (Online)	Dr. Nassimuddin, Principal Scientist, A*Star Singapore Topic: Advanced circularly polarized antenna designs for RF energy harvesting system <i>Venue: Dr. Bhupen Hazarika Auditorium, New Library</i> <i>Google Meet Link: https://meet.google.com/pbs-eicn-hrx</i>	
	13.00 – 14.00		Lunch	

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14.15 – 15.10	Keynote Talk – 4 (Online)	<p>Dr. Daniel-Ioan Stroe, Associate Professor, Aalborg University, Denmark Topic: EV Battery SOH Estimation: From Laboratory Testing to Real-life Validation Venue: Seminar Room, EIE Dept. Google Meet Link: https://meet.google.com/pbs-eicn-hrx</p>	
15.15 – 16.30	Paper Presentation (Online)	<p>Track 1: Communication 5 Papers (15 mins each including Q&A): Paper ID: 16, 29, 44, 55, 118 Chaired By: Dr. Himanshu Maurya, IIIT Allahabad Dr. Prabina Pattanayak, NIT Silchar Dr. G. S. Baghel, NIT Silchar Dr. Ranjay Hazra, NIT Silchar</p> <p>Venue: Seminar Room, EIE Dept. Google Meet Link: https://meet.google.com/jhy-gykh-oef</p>	<p>Track 2: Energy, Power Systems & Power Electronics-I 4 Papers (15 mins each including Q&A): Paper ID: 48, 84, 106, 122 Chaired By: Dr. Srinivas Nayak, NIT Trichy Dr. Sreejith S., NIT Silchar Dr. Munmun Khanra, NIT Silchar</p> <p>Venue: Conference Room, EIE Department Google Meet Link: https://meet.google.com/jfi-sxaz-bjy</p>
16.30 – 18.00	Paper Presentation (Online)	<p>Track 3: Control & Robotics 6 Papers (15 mins each including Q&A): Paper ID: 25, 28, 82, 97, 121, 127 Chaired By: Dr. Vinay Kumar Singh, MNIT Jaipur Dr. Llyods Raja, NIT Patna Dr. Avadh Pati, NIT Silchar Dr. Sudipta Chakraborty, NIT Silchar</p> <p>Venue: Seminar Room, EIE Department Google Meet Link: https://meet.google.com/hhg-uqbu-wor</p>	<p>Track 4: Energy, Power Systems & Power Electronics-II 4 Papers (15 mins each including Q&A): Paper ID: 126, 129, 131, 132 Chaired By: Dr. Omkar Yadav, NIT Durgapur Dr. E S N Raju P, IIT Guwahati Dr. V. C. Pal, NIT Silchar Dr. Pravin P.S., NIT Silchar</p> <p>Venue: Conference Room, EIE Department Google Meet Link: https://meet.google.com/jfi-sxaz-bjy</p>

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Day-2 (Saturday) 16 December 2023	09.00 – 09.55	Keynote Talk – 5 (Online)	Prof. Desineni Subbaram Naidu, University of Minnesota, USA Topic: Advanced Control Strategies for Energy Systems <i>Venue:</i> Seminar Room, EIE Department <i>Google Meet Link:</i> https://meet.google.com/pbs-eicn-hrx		
	10.00 – 10.55	Keynote Talk – 6 (Online)	Dr. Sangbum Kim, Seoul National University, Republic of Korea Topic: Device-Algorithm Co-optimization for Analog In-Memory Computing <i>Venue:</i> Seminar Room, EIE Department <i>Google Meet Link:</i> https://meet.google.com/pbs-eicn-hrx		
	11.15 – 13.00	Paper Presentation (Online)	Track 5: AI & Soft Computing-I 6 Papers (15 mins each including Q&A): Paper Id: 7, 41, 43, 60, 75, 78 Chaired by: Dr. Naresh Babu, IIITDM, Kurnool Dr. Badal Soni, NIT Silchar Dr. Lalu Seban – NIT Silchar <i>Venue:</i> Seminar Room, EIE Department <i>Google Meet Link:</i> https://meet.google.com/cvz-dutq-vcs	Track 6: Sensors & Instrumentation-I 5 Papers (15 mins each including Q&A): Paper Id: 89, 94, 103, 128, 133 Chaired by: Dr. Prashant Gaidhane, GEC Jalgaon Dr. Hemant K Sahoo, VIT Vellore Dr. Sudarsan Sahoo – NIT Silchar <i>Venue:</i> Conference Room, EIE Department <i>Google Meet Link:</i> https://meet.google.com/gra-afyz-gkn	Track 7: Signal & Image Processing-I 4 Papers (15 mins each including Q&A): Paper Id: 15, 20, 21, 23 Chaired by: Dr. Arul Valan – NIT Nagaland Dr. Murugan R., NIT Silchar Dr. Shankar K, NIT Silchar <i>Venue:</i> VI Lab, EIE Department <i>Google Meet Link:</i> https://meet.google.com/gku-bmrn-ghn

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	13.00 – 14.00	Lunch		
	14.15- 15.10	Keynote Talk – 7 (Online)	<p>Dr. Alben Mihovska, Aarhus University, Denmark</p> <p>Topic: Unlocking the Future: 6G for Intelligent and Immersive Connectivity</p> <p><i>Venue: Seminar Room, EIE Department</i></p> <p><i>Google Meet Link:</i> https://meet.google.com/pbs-eicn-hrx</p>	
	15.30- 17.00	Paper Presentation (Online)	<p>Track 8: MEMS & VLSI</p> <p>5 Papers (15 mins each including Q&A):</p> <p>Paper Id: 19, 52, 83, 100, 108</p> <p>Chaired by:</p> <p>Dr. Preeti Sudha Mehar, NIT Arunachal Pradesh</p> <p>Dr. T. R. Lenka, NIT Silchar</p> <p>Dr. S. K. Tripathi, NIT Silchar</p> <p>Dr. K. Guha, NIT Silchar</p> <p>Dr. A. K. Sunaniya, NIT Silchar</p> <p><i>Venue: Seminar Room, EIE Department</i></p> <p><i>Google Meet Link:</i> https://meet.google.com/ppd-zxjq-sef</p>	<p>Track 9: Signal & Image Processing-II</p> <p>4 Papers (15 mins each including Q&A):</p> <p>Paper Id: 34, 58, 61, 90</p> <p>Chaired by:</p> <p>Dr. Varun Bajaj, IIITDM Jabalpur</p> <p>Dr. Tripurari Sharan, NERIST</p> <p>Dr. Rajdeep Dasgupta, NIT Silchar</p> <p><i>Venue: Conference Room, EIE Department</i></p> <p><i>Google Meet Link:</i> https://meet.google.com/gku-bmrn-ghn</p>

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Day-3 (Sunday) 17 December 2023	09.00 – 09.55	Keynote Talk – 8 (Online)	Prof. Venkatesh Balasubramaniam, IIT Madras Topic: Factoring the Humans in Engineering <i>Venue: Seminar Room, EIE Department</i> <i>Google Meet Link:</i> https://meet.google.com/pbs-eicn-hrx		
	10.00 – 10.55	Keynote Talk – 9 (Offline)	Dr. Shitala Prasad, IIT Goa Topic: Visual Attention in 3D Object Recognition and Localization <i>Venue: Seminar Room, EIE Department</i> <i>Google Meet Link:</i> https://meet.google.com/pbs-eicn-hrx		
	11.15 – 13.00	Paper Presentation (Online)	Track 10: AI & Soft Computing-II 6 Papers (15 mins each including Q&A): Paper Id: 88, 105, 114, 117 124, 125 Chaired by: Dr. Shitala Prasad, IIT Goa Dr. Saroj Biswas, NIT Silchar Dr. Ramanujam E., NIT Silchar Dr. Jupitara H., NIT Silchar <i>Venue: Seminar Room, EIE Department</i> <i>Google Meet Link:</i> https://meet.google.com/cvz-dutq-vcs	Track 11: Sensors & Instrumentation-II 4 Papers (15 mins each including Q&A): Paper Id: 38, 49, 73, 80 Chaired by: Prof. T. Islam, Jamia Millia Islamia Dr. K. Mukherjee, NIT Silchar Dr. Shankar K., NIT Silchar Prof. S. H. Laskar, NIT Silchar <i>Venue: Conference Room, EIE Department</i> <i>Google Meet Link:</i> https://meet.google.com/gru-afyz-gkn	Track 12: Signal & Image Processing-III 4 Papers (15 mins each including Q&A): Paper Id: 91, 92, 98, 110 Chaired by: Dr. Pankaj Pratap Singh, CIT Kokrajhar Dr. M. K. Bera, NIT Rourkela Dr. Sandeep Kumar, NIT Delhi Dr. Ranjay Hazra, NIT Silchar <i>Venue: VI Lab, EIE Department</i> <i>Google Meet Link:</i> https://meet.google.com/gku-bmrn-ghn

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