



# राष्ट्रीय प्रौद्योगिकी संस्थान सिलचर National Institute of Technology Silchar

(राष्ट्रीय महत्व का संस्थान)  
(An Institute of National Importance)

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Department of Electronics & Instrumentation Engineering, National Institute of Technology Silchar is organizing

1<sup>st</sup> International Conference on Emerging Electronics & Automation (E2A) 2021, during  
17<sup>th</sup>–19<sup>th</sup> December 2021

## Tentative Program Schedule

### Day 1 [17<sup>th</sup> December 2021]

Time	Activity	Day 1zz
08:30 – 09:00	Registration	Webex Link: <a href="https://nits.webex.com/nits/j.php?MTID=m7b612cb5948339ac3ee294813ec2c0a1">https://nits.webex.com/nits/j.php?MTID=m7b612cb5948339ac3ee294813ec2c0a1</a>
09:00 – 10:00	Inauguration	Webex Link: <a href="https://nits.webex.com/nits/j.php?MTID=m7b612cb5948339ac3ee294813ec2c0a1">https://nits.webex.com/nits/j.php?MTID=m7b612cb5948339ac3ee294813ec2c0a1</a>
10:00 – 11:00	Session I	<b>Keynote Address by</b> <b>Prof. S.P. Bhattacharya,</b> Texas A&M University, USA <i>Title of Talk: Recent Progress on the Design of PID Controllers</i> Moderators: Dr. M.K. Bera and Mr. Ariful Mashud Webex Link: <a href="https://nits.webex.com/nits/j.php?MTID=m7b612cb5948339ac3ee294813ec2c0a1">https://nits.webex.com/nits/j.php?MTID=m7b612cb5948339ac3ee294813ec2c0a1</a>
11:00 – 11:15	Tea Break	

11:30 – 12:30	Session II	<p style="text-align: center;"><b>Keynote Address by</b> <b>Dr. Shahar Kvatinsky,</b> Technion- Israel Institute of Technology Haifa, Israel <i>Title of Talk: Making Real Memristive Processing-in-Memory Faster and Reliable</i> Moderators: Dr. S.K. Pandey and Ms. Anusmita Pathak Webex Link: <a href="https://nits.webex.com/nits/j.php?MTID=m7b612cb5948339ac3ee294813ec2c0a1">https://nits.webex.com/nits/j.php?MTID=m7b612cb5948339ac3ee294813ec2c0a1</a></p>
12:30 – 14:00	LUNCH	
14.00 – 15.00	Session III	<p style="text-align: center;"><b>Keynote Address by</b> <b>Prof. Moncef Gabbouj,</b> Tampere University, Finland <i>Title of Talk: Why Deep Learning?</i> Moderators: Dr. R. Hazra and Mr. Priyam Kar Webex Link: <a href="https://nits.webex.com/nits/j.php?MTID=m7b612cb5948339ac3ee294813ec2c0a1">https://nits.webex.com/nits/j.php?MTID=m7b612cb5948339ac3ee294813ec2c0a1</a></p>
15:15 – 17:15	Session IV	<p style="text-align: center;"><b>Paper Presentation (Control and Robotics Track-I)</b> <b>(Paper IDs: 17,21,34,40,50,71)</b> Chaired by Prof. I.N. Kar, IIT Delhi and Dr. K. Mukherjee, NIT Silchar Moderators: Ms. Tabassum Rasul and Mr. Ariful Mashud GoogleMeet Link: <a href="https://meet.google.com/zfb-qcra-knp">https://meet.google.com/zfb-qcra-knp</a></p>
	Session V	<p style="text-align: center;"><b>Paper Presentation (Sensor, Energy and Power Electronics Track)</b> <b>(Paper IDs: 24,41,42,49,53,59,64)</b> Chaired by Dr. Himadri Lala, VIT University, Dr. M. Khanra, NIT Silchar and Dr. V.C. Pal, NIT Silchar Moderators: Mr. Praveen Nambisan and Ms. Anusmita Pathak GoogleMeet Link: <a href="https://meet.google.com/jjq-ktnh-knv">https://meet.google.com/jjq-ktnh-knv</a></p>

**Day 2 [18<sup>th</sup> December 2021]**

Time	Activity	Day 2
09:30 – 10:30	Session VI	<p style="text-align: center;"><b>Keynote Address by</b> <b>Prof. Peter H.J. Chong</b> Auckland University of Technology, Auckland, New Zealand <i>Title of Talk: Fuzzy Logic-based Resource Allocation Algorithm for 5G C-V2X Networks</i> Moderators: Dr. R. Hazra and Mr. Subhra Sankha Sarma Webex Link: <a href="https://nits.webex.com/nits/j.php?MTID=mdb167975cc371288ee3131b47cd1c5d9">https://nits.webex.com/nits/j.php?MTID=mdb167975cc371288ee3131b47cd1c5d9</a></p>

10:30 –10:45	Tea Break	
10:45 – 12:30	Session VII	<p style="text-align: center;"><b>Paper Presentation (AI and Soft Computing Track)</b> (Paper IDs: 8,23,47,63,67)</p> <p>Chaired by Prof. Rajib Bandyopadhyay, Jadavpur University, Dr. Yashwant Sawle, VIT University and Dr. L. Seban, NIT Silchar</p> <p>Moderators: Ms. Pragnaleena D. and Mr. Soumik Chakraborty</p> <p>Google Meet Link: <a href="https://meet.google.com/qik-vkhc-jwd">https://meet.google.com/qik-vkhc-jwd</a></p>
	Session VIII	<p style="text-align: center;"><b>Paper Presentation (Communication Track-I)</b> (Paper IDs: 10,19,27,37)</p> <p>Chaired by Dr. Wasim Arif, NIT Silchar, Dr. D.S. Gurjar, NIT Silchar and Dr. R. Hazra, NIT Silchar</p> <p>Moderators: Mr. Subhra Sankha Sarma and Mr. Om Prakash Das</p> <p>GoogleMeet Link: <a href="https://meet.google.com/pej-zxid-nfs">https://meet.google.com/pej-zxid-nfs</a></p>
12:30 – 14:00	LUNCH	
14:00 – 15:00	Session IX	<p style="text-align: center;"><b>Paper Presentation (Communication Track-II)</b> (Paper IDs: 48,65,74)</p> <p>Chaired by Dr. R. Dasgupta, NIT Silchar, and Dr. S. Sahoo, NIT Silchar</p> <p>Moderators: Ms. Sebina Yasmin and Mr. Soumik</p> <p>GoogleMeet Link: <a href="https://meet.google.com/fxs-gcfa-bnq">https://meet.google.com/fxs-gcfa-bnq</a></p>
	Session X	<p style="text-align: center;"><b>Paper Presentation (Control and Robotics Track-II)</b> (Paper IDs: 45,62,73)</p> <p>Chaired by Dr. M.K. Bera, NIT Silchar and Dr. S. Chakraborty, NIT Silchar</p> <p>Moderators: Mr. Ariful Mashud and Ms. Pragnaleena DebRoy</p> <p>GoogleMeet Link: <a href="https://meet.google.com/bjh-pyvf-rss">https://meet.google.com/bjh-pyvf-rss</a></p>
15:15 – 16:15	Session XI	<p style="text-align: center;"><b>Keynote Address by</b> <b>Dr. Antonio Pascoal</b></p> <p style="text-align: center;">Institute for System and Robotics, Lisbon, Portugal</p> <p style="text-align: center;"><i>Title of Talk: Cooperative Marine Robots: From Theory to Scientific and Commercial Applications</i></p> <p>Moderators: Dr. Koena Mukherjee and Ms. Tabassum Rasul</p> <p>Webex Link: <a href="https://nits.webex.com/nits/j.php?MTID=mdb167975cc371288ee3131b47cd1c5d9">https://nits.webex.com/nits/j.php?MTID=mdb167975cc371288ee3131b47cd1c5d9</a></p>
16:15 – 16:30	Tea Break	

16:30 – 18:00	Session XII	<p><b>Paper Presentation (Signal Processing Track-I)</b> (Paper IDs: 5,26,56,72)</p> <p>Chaired by Prof. F.A. Talukdar, NIT Silchar, Dr. Anup K. Sharma, NIT Silchar and Dr. Shankar K., NIT Silchar Moderators: Mr. Priyam Kar and Ms. Nudrat Sufiyan GoogleMeet Link: <a href="https://meet.google.com/kpw-wgdu-fet">https://meet.google.com/kpw-wgdu-fet</a></p>
	Session XIII	<p><b>Paper Presentation (MEMS &amp; VLSI Track-I)</b> (Paper IDs: 16,20,22,43)</p> <p>Chaired by Dr. K. Guha, NIT Silchar and Dr. S.K. Pandey, NIT Silchar Moderators: Mr. Om Prakash Das and Mr. Amiya Kumar Mishra GoogleMeet Link: <a href="https://meet.google.com/bjh-kbat-vuz">https://meet.google.com/bjh-kbat-vuz</a></p>

**Day 3 [19<sup>th</sup> December 2021]**

Time	Activity	Day 3
09:30 – 10:30	Session XIV	<p><b>Keynote Address by Dr. Anamika Dubey</b> WSU Pullman, USA <i>Title of Talk: Energy System:</i> Moderators: Dr. V.C. Pal and Mr. Praveen Nambisan Webex Link: <a href="https://nits.webex.com/nits/j.php?MTID=ma77c01911392a773d96b6ca153b57338">https://nits.webex.com/nits/j.php?MTID=ma77c01911392a773d96b6ca153b57338</a></p>
10:30 – 10:45	Tea Break	
10:45 – 12.30	Session XV	<p><b>Paper Presentation (Signal Processing Track-II)</b> (Paper IDs: 3,28,58)</p> <p>Chaired by Dr. Sandeep Kumar, NIT Delhi, Dr. S.H. Laskar, NIT Silchar and Dr. J. Hazarika, NIT Silchar Moderators: Mr. Priyam Kar and Mr. Amiya Kumar Mishra GoogleMeet Link: <a href="https://meet.google.com/jem-fjdm-nuu">https://meet.google.com/jem-fjdm-nuu</a></p>
	Session XVI	<p><b>Paper Presentation (MEMS &amp; VLSI Track-II)</b> (Paper IDs: 30,44,60)</p> <p>Chaired by Dr. A.K. Sunaniya, NIT Silchar and Dr. A.K. Sharma, NIT Silchar Moderators: Ms. Nudrat Sufiyan and Ms. Anushmita Pathak GoogleMeet Link: <a href="https://meet.google.com/tfj-jabk-qwe">https://meet.google.com/tfj-jabk-qwe</a></p>
12:30 – 14:00	LUNCH	

14:00 – 15:00	Session XVII	<p style="text-align: center;"><b>Product Demo of Edutech</b></p> <p style="text-align: center;">Moderators: Mr. Krishanu Nath and Ms. Jusmita Das</p> <p style="text-align: center;">Webex Link:  <a href="https://nits.webex.com/nits/j.php?MTID=ma77c01911392a773d96b6ca153b57338">https://nits.webex.com/nits/j.php?MTID=ma77c01911392a773d96b6ca153b57338</a></p>
15:00 – 16:00	Session XVIII	<p style="text-align: center;"><b>Address by Ms. Kamiya Khattar (Springer)</b></p> <p style="text-align: center;">Moderators: Dr. Anup K. Sharma and Ms. Sebina Yesmin</p> <p style="text-align: center;">Webex Link:  <a href="https://nits.webex.com/nits/j.php?MTID=ma77c01911392a773d96b6ca153b57338">https://nits.webex.com/nits/j.php?MTID=ma77c01911392a773d96b6ca153b57338</a></p>
16:00 – 16:30	Tea Break	
16:30 – 17:00	Valedictory	