EECS RESEARCH STUDENTS SYMPOSIUM - 2023

Date: 3rd and 4th April, Venue: IISc Bengaluru

April 3rd, 2023 (Monday)

Time	Event
09:20 – 09:30	**Welcome Note by Rajesh Sundaresan, Dean, EECS Division, IISc. [ECE Golden Jubilee Hall]**
09:30 – 13:00	**Session 1: Research Cluster talks (Venue: ECE Building)**
09:30 – 13:00	**Session 1A: Artificial Intelligence / Machine Learning [ECE Golden Jubilee Hall]** **Cluster Coordinator: Shalabh Bhatnagar, Aditya Gopalan** **Student Organizer: Rankit, Naman** **Faculty Organizer: Gugan Thoppe**
11:06 – 11:20	**Coffee break**
09:30 – 13:00	**Session 1B: Signal Processing and Communications (SPCOM) [ECE MP 20]** **Cluster Coordinator: Neelesh B. Mehta, Sundeep Prabhakar Chepuri** **Student Organizer: Anand, Yugesh** **Faculty Organizer: Debdeep Sarkar**
11:30 onwards	**Qualcomm Live Session with Students [ECE 1.09]**
13:00 –14:20	**Lunch at the Main Guest House (MGH) for all registered attendees (having food coupons*)**
*Food coupons can be collected from the physical counter in front of ECE building (until 1pm)	
14:20 – 19:20	**Session 2: Faculty Talks and Plenary Talks (Venue: Faculty Hall, Main Building)**
14:20 – 15:40	**Faculty Organizer: Punit Rathore, Kiran Kumari** **Session Chair: Samar Agnihotri** **Student Organizer: Krishna, Ayushi, Rohit Raj**
	Speaker: Chirag Jain (CDS) **Title:** Graph-theoretic models for de novo genome assembly
	Speaker: Samir Hazra (EE) **Title:** Grid-Forming Inverter for Renewable Energy Resource Integration
	Speaker: Sumit Kumar Mandal (CSA) **Title:** Energy-efficient 2.5D Architectures with Processing-in-memory for Machine Learning Applications
	Speaker: Pushpak Jagtap (RBCCPS) **Title:** Formally verified controllers for cyber-physical systems
15:40 – 16:00	**Coffee break**

16:00 – 17:00	Session Chair: Siddhartha Gadgil
	Faculty Organizer: Gugan Thoppe, Vaanathi Sundaresan
	Student Organizer: Krishna, Ayushi, Rohit Raj
	Plenary speaker: Kevin Buzzard, Professor, Imperial College London, UK
	Talk Title: Mathematics and the Computer
17:00 – 17:20	High Tea break for all registered attendees
~~17:20 – 18:20~~	~~Plenary speaker: Abhay Karandikar, Director, IIT Kanpur, India~~
	~~Talk Title: My experiments with Innovation, Incubation and leadership roles in telecom and academia~~
17:20 – 18:00	Faculty Organizer: Utsav Banerjee, Debdeep Sarkar
	Student Organizer: Sourav Mazumdar, Suraj Mahadev
	Speaker: Balaswamy Vepula (ECE)
	Title: Wavelength agile fiber lasers
	Speaker: Viveka K R (ESE)
	Title: Energy-Efficient Computation in Constrained Systems with Machine Learning Workloads

April 4th, 2023 (Tuesday)

9:00 – 13:30	Session 3: Plenary Talk (Faculty Hall) and Research Cluster talks (ECE building)
9:00 – 10:00 (Faculty Hall)	Session Chair: Bhavana Kanukurthi
	Faculty Organizer: Kiran Kumari
	Student Organizer: Subhadeep, Sourav Mazumdar, Abhay
	Plenary speaker: Nivruti Rai, Country Head, Intel India
	Talk Title: Perspectives on building a successful Systems Foundry
10:00 – 10:20	Coffee break at Faculty Hall and Proceed to ECE building for Research Cluster talks
10:20 -13:30 (ECE Building)	Session 3A: Theoretical Computer Science [ECE 1.07]
	Cluster Coordinator: Arindam Khan
	Student Organizer: Meenaly, Jayant
	Faculty Organizer: Gugan Thoppe
	Session 3B: Cyber-Physical Systems [ECE MP-30]
	Cluster Coordinator: Pushpak Jagtap, Pavankumar Tallapragada
	Student Organizer: Suraj, Harsh
	Faculty Organizer: Kiran Kumari
	Session 3C: Security and Privacy [ECE Golden Jubilee Hall]
	Cluster Coordinator: Vaibhav Katewa, Bhavana Kanukurthi, Navin Kashyap
	Student Organizer: Moumita, Abhishek

	Faculty Organizer: Utsav Banerjee
12:00 – 12:15	Coffee break
10:20 -13:30 (ECE Building)	Session 3D: Artificial Intelligence / Machine Learning [ECE 1.08] Cluster Coordinator: Yadati Narahari Student Organizer: Rankit, Rohit Prasad Faculty Organizer: Punit Rathore
	Session 3E: Visual Analytics [ECE MP 20] Cluster Coordinator: Venkatesh Babu, Anirban Chakraborty Student Organizer: Subhadeep, Sourav Mazumdar Faculty Organizer: Vaanathi Sundaresan
12:00 – 13:30	TCS Research Café [ECE 1.09]
13:30-14:30	Lunch at the Main Guest House (MGH) for all registered attendees (having food coupons*)

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April 4th, 2023 (Tuesday)

14:30-18:30	Session 4: Research cluster talks (ECE building)
14:30-17:40	Session 4A: Brain Computation and Data Sciences [ECE Golden Jubilee Hall] Cluster Coordinator: Prasanta Kumar Ghosh Student Organizer: Aniket, Naman Faculty Organizer: Utsav Banerjee
14:30-17:40	Session 4B: Microelectronics, RF, and Photonics [ECE MP-20] Cluster Coordinator: Srinivas Talabattula, Arup Polley Student Organizer: Yashash, Krishna Faculty Organizer: Debdeep Sarkar
16:00-16:15	Coffee break
14:30-17:40	Session 4C: Power Engineering [ECE 1.08] Cluster Coordinator: Vishnu Mahadeva Iyer, Samir Hazra Student Organizer: Sagnik, Abhishek Faculty Organizer: Kiran Kumari
14:30-17:40	Session 4D: Computer Systems, Networking and IoT [ECE MP-30] Cluster Coordinator: Sathish Vadhiyar, T V Prabhakar Student Organizer: Sai Teja, Sudarshan Faculty Organizer: Vaanathi Sundaresan
17:40 - 18:10	High Tea break for all registered attendees
18:10	Best Presentation Award Ceremony at ECE Lunch Hut