

EECS RESEARCH STUDENT SYMPOSIUM - 2022

Date: 8th and 9th April, Venue: IISc Bengaluru

April 8th, 2022 (Friday)

Session 1: Plenary Talks (Satish Dhawan auditorium)	
	Chairs: K V S Hari, Arup Polley, Rajesh Sundaresan Student Organizer: Krishna, Koteswar, Ganesh, Vishal Faculty Organizer: Rahul Saladi
09:30-10:20	Plenary speaker: Krishnaswamy T, Director, Engineering at Qualcomm Talk Title: Transceiver Design for Cellular: Challenges and Directions
10:20-10:50	Coffee break
10:50-11:40	Plenary speaker: Tanveer Syeda-Mahmood, IBM Fellow, IBM Almaden Research Center Talk Title: Medical Sieve Grand Challenge: A Turing Test for Chest Radiology AI
11:40-12:10	Coffee break
12:10-13:00	Plenary speaker: Ananth Krishnan, CTO, Tata Consultancy Services Talk Title: Science & Technology for Today & Tomorrow
13:00-14:30	Lunch at the main guest house for all registered attendees
Session 2: Research cluster talks (ECE building)	
14:30-17:30	Session 2A: Signal Processing and Communication (SPCOM) [ECE MP 20] Cluster Coordinator: Sundeep Prabhakar Chepuri Student Organizer: Shreeparna, Lokesh, Rishikesh Faculty Organizer: Arup Polley
14:30-17:30	Session 2B: (Artificial Intelligence / Machine Learning) [ECE Golden Jubilee Hall] Cluster Coordinator: Chiranjib Bhattacharya and Aditya Gopalan Student Organizer: Atasi Panda, Akash, Abhigyan, Debangshu Faculty Organizer: Prathosh AP
15:45 onwards	TCS Research Cafe [ECE MP 1.05]

April 8th, 2022 (Friday)

17:30-18:00	High tea break
	<i>(Coffee and snacks will be available during all the research sessions)</i>
18:00-19:30	Session 3: Faculty Talks (ECE, Golden Jubilee Hall)
	Chair: Arun Chandrasekhar Student Organizer: Atasi Panda, Akash Faculty Organizer: Chirag Jain
	Speaker: Konduri Aditya (CDS) Title: An overview of asynchronous computing method for scalable PDE solvers
	Speaker: Gugan Thoppe (CSA) Title: Q-Learning with Linear Function Approximation: Convergence under the epsilon-greedy policy
	Speaker: Utsav Banerjee (ESE) Title: Efficient Circuits and Systems for Cryptography and Hardware Security
	Speaker: Punit Rathore (RBCCPS) Title: Cluster Structure Assessment and Change Detection in Streaming Data

April 9th, 2022 (Saturday)

	Session 4: Research cluster talks (ECE building)
10:00-13:00	Session 4A: Theoretical Computer Science (ECE 1.07) Cluster Coordinator: Sathish Govindarajan Student Organizer: Saurabh, Rishikesh Faculty Organizer: Rahul Saladi
	Session 4B: Cyber-Physical Systems (ECE MP-30) Cluster Coordinator: Vaibhav Katewa Student Organizer: Sameer, Sankalp Faculty Organizer: Pushpak Jagtap
	Session 4C: Security (ECE Golden Jubilee Hall) Cluster Coordinator: Arpita Patra, Chaya Ganesh Student Organizer: Atasi Panda, Akash, Janaky

	Faculty Organizer: Rahul Saladi
	Session 4D: (Artificial Intelligence / Machine Learning) (ECE 1.08) Cluster Coordinator: Chiranjib Bhattacharya and Aditya Gopalan Student Organizer: Utkarsh, Dharani, Abhigyan, Debangshu Faculty Organizer: Prathosh AP
	Session 4E: Visual Analytics (ECE MP 20) Cluster Coordinator: Chandra Seelamantula and Venkatesh Babu Student Organizer: Shreeparna, Lokesh, Anup Faculty Organizer: Chirag Jain
11:00 onwards	TCS Research Cafe [ECE MP 1.05]
13:00-14:30	Lunch at the main guest house for all registered attendees

April 9th, 2022 (Saturday)

	Session 5: Research cluster talks (ECE building)
14:30-19:00	Session 5A: Brain Computation and Data Sciences (ECE Golden Jubilee Hall) Cluster Coordinator: Prasanta Ghosh and Sridharan Devarajan Student Organizer: Atasi Panda, Akash, Janaky Faculty Organizer: Chirag Jain
	Session 5B: Microelectronics (ECE MP-20) Cluster Coordinator: Chetan Singh Thakur Student Organizer: Shreeparna, Lokesh, Rishikesh Faculty Organizer: Arup Polley
	Session 5C: Power (ECE 1.08) Cluster Coordinator: Udaya Kumar, Narayanan Gopalaratnam, Umanand L Student Organizer: Dharani, Utkarsh Faculty Organizer: Vishnu M Iyer
	Session 5D: Networking and IoT (ECE MP-30) Cluster Coordinator: Parimal Parag and Prabhakar T V Student Organizer: Sameer, Sankalp Faculty Organizer: Rahul Saladi
17:30-18:00	High tea break

(Coffee and snacks will be available during all the research sessions)