



IEEE Electron Devices Society (EDS) Summer School



On  
**“Emerging Devices and Circuits to Mimic Biologically Plausible Neuronal Functionalities for Neuromorphic Computing”**

Organized by

IEEE EDS Student Branch Chapter - IIITDM Kancheepuram

in association with

Department of ECE, IIITDM Kancheepuram.

@ IIITDM Kancheepuram (Physical mode) on Dec 19 – 23, 2022.



About the Institute:

IIITDM Kancheepuram is an Institute of National Importance established by the Ministry of Education, Government of India (Located in Chennai) to pursue design and manufacturing oriented engineering education and research and to promote the competitive advantage of Indian products in global markets. The Institute offers B.Tech, M.Tech and M.Des programs and Ph.D programs in Computer Science and Engineering, Electronics and Communication Engineering, Mechanical Engineering, Interdisciplinary Product Design, Mathematics, Physics and English.

About Summer School:

The objective of this EDS Sponsored Summer School is to discuss recent trends in the field of nanotechnology and nanoelectronics aiming towards the application to “Neuromorphic Computing”. Moreover, the summer school aims to create an academic and research network between scientific communities across the world. Therefore, we expect a footfall of 30 participants from various parts of the country.

Targeted Participants:

UG/PG Students, Ph.D Scholars, Academicians, and Industry professionals.

Certification:

Certificates will be provided to those participants who will attend all the five days programs.

Course Materials:

Lecture slides and other reference materials will be shared with the registered candidates.

Registration Fee:

Industry Personnel:

IEEE Member: ₹ 4000 /-  
 Non-Member: ₹ 6500 /-

Faculty/Scientists:

IEEE Member: ₹ 3000 /-  
 Non-Member: ₹ 5000 /-

Students:

IEEE Student Member: ₹ 2000 /-  
 Non-Member: ₹ 3500 /-

Tentative Experts:

1. Prof. Saptarshi Das, Penn State University
2. Prof. Samar Saha, Prospicient Devices
3. Prof. Yogesh S. Chauhan, IIT Kanpur
4. Prof. Brajesh Kaushik, IIT Roorkee
5. Prof. Shreepad Karmalkar, IIT Bhubaneswar
6. Prof. Jawar Singh, IIT Patna
7. Prof. Binsu J Kailath, IIITDM Kancheepuram
8. Prof. Subham Sahay, IIT Kanpur
9. Prof. Avirup Dasgupta, IIT Roorkee
10. Prof. K P Pradhan, IIITDM Kancheepuram
11. Prof. Tejendra Dixit, IIITDM Kancheepuram
12. Mr. J-K Han, KAIST, Korea
13. Mr. L Chandrasekar, GlobalFoundries

- The registration covers all technical session, evening sessions, hands-on training, course material, Lab visit, breakfast, lunch and dinner with in-campus accommodation (single/sharing basis depending on the availability).
- One banquet networking dinner.
- Some travel grants/awards as per the norms ( Sleeper class bus/train fare) will be provided to deserving student participants based on the request.

Exciting Prize Opportunities:

- Best student participant award up to ₹ 10,000
- Prize money up to ₹ 10,000 for best student presentation(s)

Scan to pay

How to Register?

- ✓ Pay the Registration fee using UPI / Net banking
- ✓ Fill the google form to register by 10-12-2022 (11:59 PM IST)

Link: [https://bit.ly/Summer\\_School\\_Registration](https://bit.ly/Summer_School_Registration)

Bank Details:

Account Name: IIITDM IEEE EDS SBC  
 Bank Name: HDFC Bank  
 Account number: 50100539286846  
 IFSC Code: HDFC0002075



Chief patron:

Prof. M V Kartikeyan,  
 Director,  
 IIITDM Kancheepuram

Branch Counsellor:

Dr. B Chitti Babu,  
 IIITDM, Kancheepuram

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Patrons:

Dr. Jayavel S,  
 Dean SRICCE  
 Prof. M D Selvaraj,  
 HoD, ECE  
 IIITDM Kancheepuram

Convenor:

Dr. Kumar Prasannajit Pradhan  
 IIITDM, Kancheepuram

Student Co-ordinators:

- Mr. L Chandrasekar, SBC Chair
- Mr. Rameez Raja Shaik, SBC Vice-Chair
- Miss. Rajakumari V, SBC Secretary