



Patna Sub-section

Continuing Education Programme Indian Institute of Technology Patna, Bihar, INDIA



Registration From
Short Term Course on

**Emerging Memory Devices, Circuits, and
In-memory Computing, July 19-21, 2019**

Short Term Course
On

Emerging Memory Devices, Circuits, and In-memory Computing, July 19-21, 2019



Course Coordinators and Speakers

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About Course: In von-Neumann architecture based modern computing system, memory unit is used to store, decode and reproduce the information while computations take place in central processing unit. For most of the computing tasks, maximum energy and time are consumed in data movement, rather than computation. Therefore, memory plays a crucial role in making modern computing system energy efficient.

This course will introduce new and emerging memory concepts from device to circuit levels that have also been introduced into the traditional memory hierarchy.

Course Description:

- ❖ Basic memory elements, memory cells (SRAM, DRAM, FLASH, RRAM etc.), and peripheral circuitry.
- ❖ Emerging in-memory and neuromorphic computing, and memory as a primitive element for PUF design.

Accommodation:

There is a limited availability of accommodation in IIT Patna hostels for student participants at an affordable rate, which will be offered on a first-come-first served basis. Besides there are several hotels and guest-houses around IIT Patna where the participants may stay during the course.

About IIT Patna and how to reach: IIT Patna is an institute of National importance by an Act of the Indian Parliament in 2008. It is ranked 108 among BRICS nations by the QS World University Rankings of 2018. It is ranked 23 among engineering colleges in India by the NIRF 2019. IIT Patna's campus is located at Bihta, 35 km from Patna and 20 km from Ara, at a 501 acres site. The nearest railway station is Bihta, 2 km from the campus. IIT Patna has good road connectivity to and from Patna and Ara. Regular bus services have been provided by the Govt. of Bihar from Gandhi Maidan, Patna to IIT Patna campus. The nearest airport to reach IIT Patna campus is Jai Prakash Narayan Domestic Airport, Patna, which is located 5 km southwest of Patna.

How to apply?

Scanned copy of the filled in registration form should be sent to jawar@iitp.ac.in on or before July 15, 2019.

Course Fee: Includes admission-cum tuition fee, tea and lunch. Certificate of participation after successful completion of the course.

Student: Rs. 3000/
Academician/Industry Rs. 5000/

- Name: _____
- Date of Birth: _____
(DD/MM/YYYY)_____
- Sex (M/F): _____
- Designation: _____
- Organisation: _____
- Address for correspondence _____

- Email: _____
- Phone/Mobile: _____
- Highest Academic Qualification: _____
- Specialization: _____
- Details of fee payment (Reference no., date of payment, amount etc.): _____

Date: _____ Place: _____
Signature _____

PAYMENT

The participation fees for the CEP will be accepted **only** through DD drawn in favour of Indian Institute of Technology Patna" or e-transfer / RTGS/ NEFT. Details for RTGS/NEFT or e-transfer:
Bank: State Bank of India,
Branch: IIT Patna, Bihta
Bank Account No. : 30957551934
MICR Code : 801002005
Beneficiary: Indian Institute of Technology Patna
IFSC: SBIN0017164
Account Type : Savings A/c

Who Can Attend?

The course is intended to young researchers (UG/PG students) and faculty members having general introductory background of semiconductor devices and circuits.