

Thermal Management of Power Dense Electronics: Current status and Challenges



IIT Indore

Mar. 1 – 7, 2020

AICTE QIP

Course Coordinators

Dr. Ankur Miglani
Dr. HareKrishna Yadav
Dr. Devendra Deshmukh

Program structure

Class room lecture 75%

Laboratory
demonstrations
25%

Program Fee

Nil: For AICTE-QIP
sponsored candidates
For Others:
INR 5000/- per person
+
GST @18%

Boarding & Lodging

Accommodation will be
provided to AICTE-QIP
sponsored candidates on
the campus hostel. For
others, accommodation
can be arranged, if
required, in hostel@
Rs.250 per day subject
to the availability.

Program Schedule & Venue

March 1 – 7, 2020
(9:00 AM – 5:00 PM)
Department of Mechanical
Engineering
IIT, Indore

Who will benefit?

If you are a faculty at an
AICTE approved college
or any other private or
govt. college or from
industry then please
apply

Travel

QIP candidates can
avail travel by 3 Tier
AC, which will be
reimbursed against the
proof of travel (Train
tickets)

Last date for Registration

25 Feb. 2020

How to Apply:

Use the attached registration form and e-mail to
the contact address below

Contact us:

Dr. Ankur Miglani, Assistant Professor
Department of Mechanical Engineering
Indian Institute of Technology Indore
E-mail: amiglani@iiti.ac.in
Phone: 09650708505

About the course

This course will provide the participants with a
fundamental understanding on the current state-of-
the-art cooling technologies used to dissipate high-
heat-flux from power electronic devices in
applications ranging from radars to data centers and
the challenges faced in their employment.

Focus areas:

- Need for innovative cooling solutions for electronics
- Current trends in thermal packaging
- Implementation of two-phase heat transfer
- Current methods for heat spreading
- Thermal interface materials (TIM's)
- Phase change materials (PCM's)
- Jet impingement cooling
- Microchannel heat sinks
- Synthetic jets

Invited Speakers:



Dr. Javed Shaikh
Thermal Architect
Intel Corporation

Dr. Krishnendu Saha

Lead Engineer
GE Global Research



Dr. V. Duryodhan
Assistant Professor
IIT Bhilai

REGISTRATION FEE:

There will not be any registration fees, accommodation, food charges for QIP participants.

Rs. 5,000* (for industry personnel)

Rs. 5,000* (for faculty members)

*Excluding service tax @ 18%

The course fee includes study material, breakfast, lunch, and tea for the entire course duration.

MODE OF PAYMENT: Through demand draft drawn in favor of Registrar, IIT Indore or through online payment/ bank transfer.

For Online payment/ Bank Transfer

Bank Name: Canara bank

Branch: IIT Indore, Khandwa Road, Simrol, Indore

Account number: 1476101027440

IFS Code: CNRB0006223

ACCOMMODATION: No accommodation fees for QIP candidates. For others, accommodation can be arranged, if required, in hostel@ Rs.250 per day subject to the availability. Limited seats are available. Participants will be selected on first-come-first serve basis. Please send request for hostel accommodation to the course coordinator.

NUMBER OF SEATS: Limited

IMPORTANT DATES:

The soft copy of filled registration form (along with the DD/Online payment slip for the course fee) should be sent to the following e-mail ID on or before: **25 Feb. 2020.**

ADDRESS OF CORRESPONDANCE:

Dr. Ankur Miglani, Assistant Professor

Mechanical Engineering Discipline

Indian Institute of Technology Indore

Khandwa Road, Simrol, Indore, MP.

E-mail: amiglani@iiti.ac.in

Phone: 096505708505 (M)

REGISTRATION FORM

Name :

Designation:

Discipline/Department:

Institution/Organization:

Address:

E-mail id:

Gender:

Phone/Mobile No.:

Accommodation Required: Yes / No

Payment details

Cheque / Demand Draft no. _____ dated_____

bank_____amount in Rs. _____ drawn

at_____

Signature of the applicant with date

**Signature with seal of
Nominating Authority (for QIP participants)**