

Registration Form

Short Term Course on RECENT ADVANCES IN AUTOMOTIVE SYSTEMS February 2-6, 2015

Deadline for registration is **October 31, 2014.**

Please register by clicking on the
“Announcement” of this course at
<http://ed.iitm.ac.in>

Also, please upload your scanned “Sponsored
Certificate”, which has been signed by the
appropriate authority in your institution, by
following the link provided in the above
website. An incomplete registration form would
be rejected.

Sponsorship Certificate

(Required for teachers from AICTE
recognized engineering institutions)
Certified that Dr./Mr./Ms.

is an employee of our institution and will
be sponsored to attend the AICTE
sponsored short term course on RECENT
ADVANCES IN AUTOMOTIVE SYSTEMS to
be conducted at IIT Madras from
February 2-6, 2015, if selected.

Signature of sponsoring authority
with date and seal

Contact Information of the Coordinator:

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SHORT TERM COURSE ON “RECENT ADVANCES IN AUTOMOTIVE SYSTEMS”

FEBRUARY 2-6, 2015

Sponsored by
All India Council for Technical
Education

Coordinator
Dr. C. S. Shankar Ram

Organized by



Department of Engineering Design
Indian Institute of Technology
Madras
Chennai 600036

RECENT ADVANCES IN AUTOMOTIVE SYSTEMS



BACKGROUND

Research on Automotive Systems is gaining momentum in India with active participation from academia and industry. Extensive research in the areas of automotive powertrain, safety, control and electronics is being pursued globally. Research in this area has turned increasingly multidisciplinary requiring the efforts of experts from multiple disciplines to solve complex problems. The aim of this short term course is to apprise the participants of recent advances in the field of automotive systems. This short term course would have lectures on topics such as advances in engine and transmission systems, alternative powertrains, active safety, noise vibration and harshness studies and associated analysis. Experts in their respective domains would deliver the lectures and share an overview of the corresponding advances. It is expected that the participants would be able to obtain a broad overview of a few recent advances in the area of automotive systems at the end of this course.

OBJECTIVES

The primary objective of this course is to expose the participants to recent advances in the field of automotive systems. This course would disseminate the latest trends in automotive systems through lectures and laboratory demonstrations.

COURSE CONTENTS

- Advanced engine and transmission systems.
- Alternative powertrains (electric and hybrid).
- Active safety systems (electronic stability control).
- Noise vibration and harshness studies.
- Automotive electronics (Hardware in Loop testing).
- Demonstrations and case studies.

Important Dates

Application due: OCTOBER 31, 2014

Acceptance: NOVEMBER 21, 2014

Course Dates: FEBRUARY 2-6, 2015

ELGIBILITY

Sponsored teachers from AICTE recognized engineering institutions are eligible to apply.

REGISTRATION

No registration fee will be charged to teachers of AICTE recognized engineering institutions.

VENUE

This course will be held in the Conference Hall (Room No. 103) of the Department of Engineering Design, IIT Madras.

IMPORTANT

- Boarding and lodging for selected candidates (twin sharing) will be provided.
- The selected candidates are eligible for **AC 3-tier** train fare to and fro by the shortest route.
- A refundable caution deposit of Rs. 500/- is to be paid by those selected for this course (after intimation).
- Notification of acceptance will be sent **ONLY BY EMAIL** by November 21, 2014. Hence, please provide a valid email address.
- Any clarification regarding travel, lodging and boarding should be addressed to the CCE Office, Email: cceoffice@iitm.ac.in (Ph: +91-44-22574900).