**REGISTRATION FEE**

The fee structure of the course includes course kit, lunch, and refreshments for two days

<table>
<thead>
<tr>
<th>Industry Delegates</th>
<th>Rs. 1,700</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic / Research</td>
<td>Rs. 1,200</td>
</tr>
<tr>
<td>Students</td>
<td>Rs. 700</td>
</tr>
</tbody>
</table>

(The registration fee includes 12.36% of service tax)

**REGISTRATION DETAILS**

All the registrations in the prescribed form along with the applicable registration fee in the form of Demand Draft (DD) should reach the address mentioned below not later than **18th March 2013**. The selected delegates will be intimated on **19th March 2013** through email. Accommodation for outside participants will be arranged in the hostel on chargeable basis.

For more details and registration form, log on to [www.cit.edu.in](http://www.cit.edu.in)

DD to be drawn in favor of “The Principal, CIT” payable at “Coimbatore”

Registration form along with DD to be sent to:

**Dr. E. CHANDIRA SEKARAN**,  
Associate Professor (PG),  
Organizing Secretary,  
Department of Electrical and Electronics Engineering,  
COIMBATORE INSTITUTE OF TECHNOLOGY,  
COIMBATORE 641 014, TAMIL NADU, INDIA.

Mobile: 96292 83060, 99420 29372, 94420 03930  
E-mail: citeeeppeg@gmail.com

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**TARGET AUDIENCE**

This two days national level workshop is deliberately designed for the professionals working in:

- Research and Practicing Engineers
- Faculty from Academic Institutions
- Policy and Regulating Authorities

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**ORGANIZING COMMITTEE**

Chief Patron  
**Dr. S.R.K. PRASAD**,  
Correspondent, CIT, Coimbatore

Patron  
**Dr. R. PRABHAKAR**,  
Secretary, CIT, Coimbatore

President  
**Dr. V. SELLADURAI**,  
Principal, CIT, Coimbatore

Chairperson  
**Dr. S. VASANTHARATHNA**  
Head of the Department, Department of EEE, CIT

Organizing Secretary  
**Dr. E. CHANDIRA SEKARAN**,  
Associate Professor (PG), Department of EEE, CIT

Coordinator  
**Er. S.R. SIVARASU**,  
Assistant Professor, Department of EEE, CIT

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**RESOURCE PERSONS**

Faculty experts from leading academic institutions and Invited experts from leading industries, research and development organizations.

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**DRDO Sponsored**  
Two Days National Level Workshop on  
HYBRID ELECTRIC VEHICLES AND FUTURE PERSONAL TRANSPORTATION  
22nd and 23rd MARCH 2013

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**ORGANIZING SECRETARY**  
**Dr. E. CHANDIRA SEKARAN**

**COORDINATOR**  
**Er. S.R. SIVARASU**

Supported by

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**Organized by**  
Department of Electrical and Electronics Engineering  
COIMBATORE INSTITUTE OF TECHNOLOGY  
(A Government Aided Autonomous Institution)  
COIMBATORE - 641 014, TAMILNADU, INDIA.
PREAMBLE

Automobiles are an integral part of our everyday lives. Yet, conventional auto-mobiles are the major cause of environmental pollution in the 21st century. Globally the carbon emission due to the road based transport accounts for about 25%. The world will eventually encounter an acute energy crisis if alternative energy sources and transportation modes are not focused properly. Current environmental concerns are driving the international community toward developing low-emission (hybrid electric) and zero-emission (electric) vehicles to replace conventional internal combustion engine vehicles. Electric and Hybrid electric vehicles are steadily coming to fruition in the commercial market due to their proven benefits in fuel economy and lower emission of pollutants. In future electric vehicles can be viable options for small and medium transportation in urban, rural and military services. Armed services have many reasons for deploying hybrid electric vehicles in terms of free vibration in robot bomb disposal vehicle and surveillance vehicles. The field of electric vehicle needs constant research to enable optimum cost, safety, reliability, life and performance.

This two days workshop will provide a platform to address many research challenges including, development of hybrid electric vehicles, modeling constraints with pay load estimation, fuel efficiency, power converters, policy framework and promotion of EVs, compass analysis between conventional and EVs, GHG emission, power quality issues and mitigation techniques and EMI and EMC standards.

DISCUSSION TOPICS

- Hybrid Electric Vehicles
- Engine-Generator-Battery and Fuel Economy
- Batteries and Super capacitors
- Energy Efficient Motors and Control Schemes
- Advanced Power Converters
- Solar Powered Small Unmanned Aerial Vehicles
- Power Quality, EMI and Safety Standards

REGISTRATION FORM

DRDO Sponsored
Two Days National Level Workshop on
HYBRID ELECTRIC VEHICLES AND FUTURE PERSONAL TRANSPORTATION
22nd and 23rd MARCH 2013

1. Name: ____________________________
2. Organization: ____________________________
3. Designation: ____________________________
4. Professional Category (Please tick):
   - [ ] Industry   - [ ] Academic   - [ ] Students
5. Communication Address: ____________________________
6. Phone (O) __________________ (R) _______________
7. Mobile: ____________________________
8. E-mail: ____________________________
9. Mode of Payment
   DD No. _________________ Dated _________________
   Bank Name: ____________________________
   Amount: ____________________________
10. Accommodation Required: YES / NO
   DD to be drawn in favor of “The Principal, CIT” payable at “Coimbatore”

Signature of the Applicant