

# MIT/Industry Consortium on Advanced Automotive Electrical/Electronic Components and Systems

## Executive Summary

### Purpose

Consortium objectives are to provide Member Companies with:

- Access to the resources of the MIT Laboratory for Electromagnetic and Electronic Systems (LEES) and the results of its extensive research program in automotive electrical systems and components.
- A lively forum for the interactive exchange of non-proprietary ideas and information relevant to future automotive electrical systems.
- Interaction with educated MIT students entering the job market.

### Membership Conditions

Membership is open to automobile manufacturers and to automotive suppliers who either manufacture electrical/electronic components or provide equipment/materials to such suppliers. International participation is welcome and encouraged.

The membership fee is fifty thousand United States dollars (\$50,000) per year, with an initial two-year commitment.

### 1999 Program Review Meetings

Three Consortium Program Review Meetings are held each year to review the status of funded research programs and to interact with invited experts addressing topics of broad interest to Consortium Members. Member Companies are invited to send several representatives. 1999 meetings are scheduled for:

|               |                           |
|---------------|---------------------------|
| January 26-27 | Birmingham/Tuscaloosa, AL |
| May 18-19     | Cambridge, MA             |
| September     | Stuttgart, Germany        |

### Steering Committee

Activities of the Consortium are guided by a Steering Committee comprised of a representative of each Member Company and MIT LEES staff. The purpose of the Committee is to provide executive guidance on Consortium policies and research strategies, including review of specific research proposals to be funded each year. The Steering Committee also reviews other issues of strategic interest to the Consortium. The Committee meets three times per year in association with the Program Review Meetings.

### Benefits to Consortium Members

- Access to and influence on research programs on advanced automotive electrical system architectures and their components
- Access to engineering and economic tools for aiding electrical system design/analysis, including MAESTrO 3.5, a software tool for evaluating alternative advanced electrical system architectures
- Significant discounts on future commercial versions of MAESTrO 4.0 (and later updates) offered by Techlogix, Inc.
- Invitations to Consortium Program Review meetings (3/year) as described above
- Opportunities for in-depth meetings at Member Company locations
- Access to MIT faculty, staff, and students knowledgeable of relevant international issues and developments
- Access to an expanding community of Member Company representatives with specialized expertise in nearly all aspects of automotive electrical systems and components

Massachusetts Institute of Technology  
Laboratory for Electromagnetic and Electronic Systems  
77 Massachusetts Avenue, Cambridge, MA 02139  
Phone: (617) 253-4631 Fax: (617) 258-6774  
<http://web.mit.edu/consortia/auto-consortium/>