

Materials Handling Engineering Division Globalization & Logistic

The **Materials Handling Engineering Division (MHED)** concentrates on systems engineering methods that integrate control technology, information technology, and material transport equipment to provide efficient, safe and economical material handling.

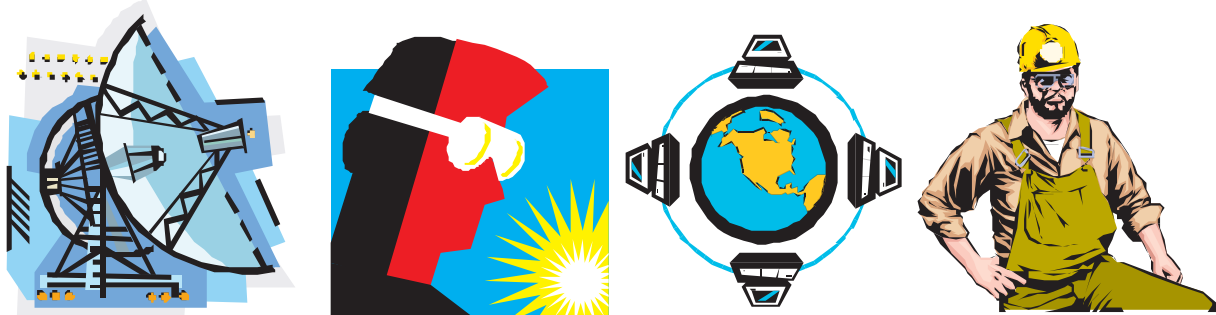
Mission Statement

The Primary interest of the Materials Handling Engineering Division is the dissemination and application of the latest developments in the basic sciences of mechanical engineering, information technology, and computational sciences to the establishment of efficient, economical material handling equipment and practices in all areas of industry and commerce.

MHED is in the Manufacturing Group

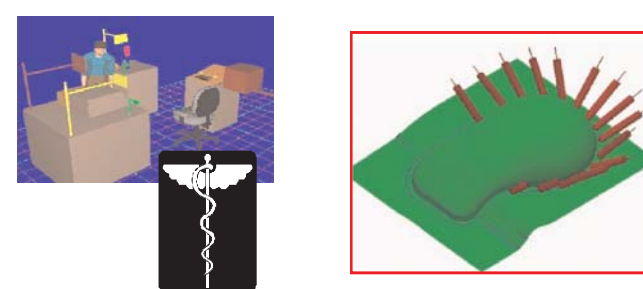
MHED is in the Manufacturing Group along with the following divisions:

- 04 MATERIALS HANDLING ENGINEERING
- 12 PROCESS INDUSTRIES
- 13 MANUFACTURING ENGINEERING
- 20 TEXTILE ENGINEERING
- 21 PLANT ENGINEERING & MAINTENANCE

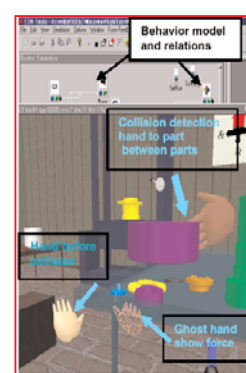


MHED Committees

- New Committee Added in November 2004:
 - Safety and Ergonomics
- Existing Committee Structure in 2004
 - Information Systems
 - Control Systems
 - Material Transport Systems
 - Operation Strategy
 - Bulk Handling



Eight Activities for 2005



- Offer valuable technical sessions at IMECE
- Offer 3 sessions at National Manufacturing Week
- Develop/distribute newsletter in late spring
- Survey the membership to determine their interests and expectations (sent late January 2005)
- Form new committees based on membership survey
- Develop new programming based on survey
- Develop new programming in conjunction with other divisions
- Consider name change to reflect supply chain emphasis

MHED Scope of Material Handling Equipment

- The Division considers the term "Material-Handling Equipment & Logistics" to include such items as conveyors, cranes, elevators and hoists, positioning, controlling and weighing equipment, industrial trucks, trailers and tractors, highway, rail, water and air transports and containers, pallets, and packaging equipment.
- Bulk transfer, loaders, unloaders, storage and warehouse equipment is included, as are robots, intelligent autonomous vehicles, other similar devices and the software required to make them effective.

Awards and Honors in 2004

- Best Technical Paper Award
- Distinguished Achievement Award
- Outgoing Chair Award



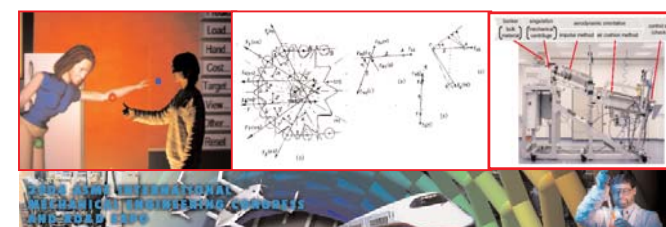
MHED Scope Also Includes Facilities Planning, Logistics Distribution Systems, and Warehousing

- The Division also concerns itself with the layout and planning of plant facilities utilizing material handling equipment, and the problem of effecting a tie-in of those facilities with logistics systems and transportation systems such as highway, rail, marine, and air transportation systems.
- Another interest of the Division is the improvement of distribution through better methods of warehousing, packaging, packing and preparing for shipment.



Participation Annually at IMECE

MHED participates annually at IMECE by offering one or more sessions containing multiple paper presentations. In 2004, there were two (2) sessions with five (5) papers and one (1) panel session.



Participating with ASME at National Manufacturing Week

MHED is offering three (3) sponsored sessions at National Manufacturing Week in 2005.



Membership

- As of December 2004...
- 1328 Primary Members
- More Secondary Members

