How Corporate Members view CIRP

Dr. Masahiko Mori, President of Mori Seiki, a leading machine tool company:

“CIRP is a prestigious technical community in manufacturing science and engineering, accepted as having the highest standards. Membership in CIRP has generated revenues enabling us to meet our company’s objectives by accessing cutting-edge manufacturing technology of the highest standards, the sharing of R & D activities, and facilitating contacts with experts worldwide.”

Dr. Donald G. McIntosh, Manager manufacturing technology, Pratt & Whitney Canada:

«Pratt & Whitney Canada's association with CIRP has provided us with early visibility of advanced manufacturing technologies as they emerge from many of the world’s best production engineering research labs. This visibility has allowed us to take actions to achieve and maintain a competitive edge in many of our manufacturing processes.»

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The abbreviation CIRP originates from our French name “Collège International pour la Recherche en Productique”
CIRP Scientific Technical Committees

The Scientific and Technical Committees (STCs) are the groups responsible for coordinating the collaborative research projects run by CIRP. The knowledge generated in each field of activity is distributed by publications and conferences to the manufacturing community at large. The STCs especially promote and give moral support to advanced research in new fields.

Additionally, working groups are created to investigate the special problems of education and training associated with new manufacturing technology.

CIRP Activities

Meetings

Twice yearly in February and at the General Assembly in August, CIRP meetings are open to CIRP members, CIRP Corporate members and CIRP Research Affiliates. Non-members may be invited as guests.

In the first part of the General Assembly (paper sessions), around 140 authors, from many of the leading manufacturing research institutes worldwide, make presentations dealing with the different aspects of the manufacturing engineering. In the second part of the GA, meetings are held by the various STCs to discuss related CIRP cooperative projects and other technical matters.

Regular conferences are catering to the needs of research specialists.

Publications

• CIRP Annals (online access from CIRP Website since year 1960):
  Vol. 1: Around 140 refereed technical papers by CIRP members.
  Vol. 2: Refereed Keynote papers suggested by the various STCs.
• CIRP Journal of Manufacturing Science & Technology (4 Vol./year)
• CIRP Encyclopedia of Production Engineering.
• CIRP Dictionaries of Production Engineering (e.g., Metal Forming, Machining, Assembly and Manufacturing Systems).
• Proceedings of CIRP Conferences on Procedia.
• Newsletter published twice a year.

Aims of CIRP

To promote by scientific research the development of all aspects of manufacturing technology covering the optimization, control and management of processes, machines and systems.

To promote cooperative research among its members and creating opportunities for informal contacts among researchers from academia and industry.

Advanced Manufacturing Technology

Founded in 1951 to bring together the research community that applies scientific methods to manufacturing technology. The world leader in performing research on advanced manufacturing technologies based on their underlying sciences.

A body of some 500 members from 40 industrialized countries, many of whom are longstanding internationally-recognized R & D experts. Members that are known for their high scientific standards and also for their friendliness and collegiality.

STCs IN MATERIAL WORKING PROCESSES AND MACHINES

- Cutting (C)
- Electro-Physical & Chemical Processes (E)
- Forming (F)
- Abrasive Process (G)
- Machines (M)

STCs COVERING ELEMENTS OF THE MANUFACTURING CHAIN

- Life Cycle & Assembly (A)
- Design (Dn)
- Production Systems and Organization (O)
- Precision Engineering & Metrology (P)
- Surfaces (S)

COMMUNICATION BETWEEN STCs & THE OUTSIDE WORLD

- Terminology Committee
- Communication Committee

Cutting (C)
Forming (F)
Abrasive Process (G)
Machines (M)
Electro-Physical & Chemical Processes (E)
Life Cycle & Assembly (A)
Design (Dn)
Production Systems and Organization (O)
Precision Engineering & Metrology (P)
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Terminology Committee
Communication Committee