Industrial Robots
Organizers & Chairs: Hadi Akeel, Steve Holland

Product and Technology Trends for Industrial Robotics
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Robot Mechanisms
Brian Carlisle
Adept Technology Inc.

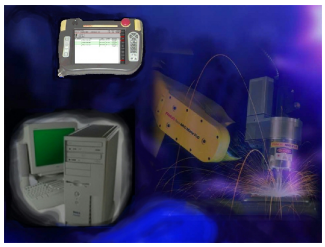
- Classes of robot mechanisms are reviewed.
- Examples of various robot mechanisms are provided.
- Technology constraints on robot mechanism design are discussed.
- Areas for technology development are presented.

Robotics: The Future is so Bright
Craig Jennings
Motoman Robotics

- Robot Industry is Soaring
- Robot Technology Advancements
- Movement Toward Total Robot Solutions
- New Robot Markets Expanding

Underwater Robotics: Out of the Research Laboratory and Into the Field
Louis L. Whitcomb
Johns Hopkins University

- Survey of commercial underwater robotics.
- Industry demands two new classes of underwater vehicles:
- - Deep-diving work-class remotely operated vehicles.
- - Survey-class autonomous vehicles.

The PC and its Influence on Robot Controllers
Gary Rutledge
FANUC Robotics

- What has been the impact of PC's on robot controller design?
- Compare the architectures of several controllers.
- Most robot controllers follow a similar architecture.
- The PC augmented controller architecture is most common.