

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.

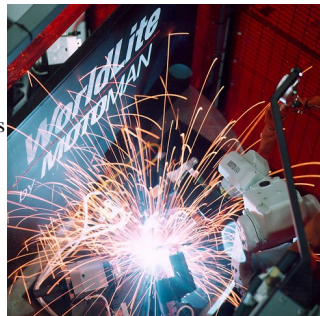


Robotics: The Future is so Bright

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.

