

Workshop Topics

- Conditions / Assumptions
- Challenges
- New Technology Introduction
- Model
 - Objectives
 - Issues
 - Key Components
- Actions

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Conditions / Assumptions

- EC solution usually in the form of software
- High-tech sectors usually includes several smaller domains
- Applicable domain expertise is critical to compete in semiconductors and other high-tech industries

Joint Academia-Business Challenges

- Making the introduction of EC tools economically feasible
- · Timing, market, and resources
- Intellectual property (IP) ownership / assignment
- Finding ways for academia and business and to work effectively together on these issues

New Technology Introduction: Tasks (Leaders)

- New Technology Validation (academia)
 - Lead work to show which techniques and tools are ready for implementation
- Solution Development (business)
 - Embed new technologies into marketable product and service solutions
- Market / Domain Penetration (business)
 - Convert marketable solutions into sales and returns on the investment in validating technology and developing solution

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New Technology Introduction: Solution Development and Domain Penetration

SOLUTION DEVELOPMENT

- Development
 - Architecture Programming
- Product Management
- Sales and marketing support
- Product management
- Product economics Product Support
 - Documentation
 - Quality control

DOMAIN PENETRATION

- Sales and Marketing in Relevant Industry Domain
 - Market penetration
 - Account management
- Product Development
 - Domain and customer specifications
 - Market readiness criteria
- Customer Service
 - Factory support
 - Field support

Model: Academia-Business Partnership Objectives <u>Academia</u> **Business** Access to top research Commercial-ready talent technology ahead of competition • Attract long-term, unrestricted funding for Control access to solution research Control access to market Talent development Market leadership Leadership in disciplinary Leverage technology for field sales increase Recognition in field Make money Knowledge expansion Student placement

























