## Technology and Innovation Management

**Program Chair:** Deborah Dougherty, Rutgers University  
**Workshop Chair:** Philip Anderson, Dartmouth College

### Schedule

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<tr>
<th>Time</th>
<th>Regular Program</th>
<th>Shared Program</th>
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<tr>
<td><strong>Friday</strong></td>
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<tr>
<td>1:00 pm</td>
<td>829. Practitioner Series: Introduction to the Inquiry Process and Research Projects • S: Gall 3</td>
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<td>5:00 pm</td>
<td>91. Critical Mgmt. Doctoral Workshop • HW: Disurable</td>
<td>96. Critical Management Studies: B • HW: Comiskey</td>
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<td>6:00 pm</td>
<td>95. TIM/OCIS Doctoral Consortium • HW: Stetson F</td>
<td>97. Critical Management Studies: B • HW: Comiskey</td>
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<tr>
<td>7:30 am</td>
<td>98. Practitioner Series: Developing and Critiquing Action Research Projects • HE: Columbus C/D</td>
<td>99. TIM/OCIS Doctoral Consortium • HW: Stetson F</td>
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<tr>
<td>8:00 am</td>
<td>100. TIM/OCIS Junior Faculty Consortium • HW: Stetson E</td>
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<tr>
<td>8:30 am</td>
<td>101. TIM at the End of the Millenium: A Century of the Year 2000</td>
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<td>129. TIM at the End of the Millenium • HW: Stetson G</td>
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<td>2:00 pm</td>
<td>131. Research Issues in Technology • HW: Stetson F</td>
<td>132. Launching an Academic Practicum • HE: Columbus C/D</td>
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**Saturday 1:00 pm**

**829. TIM at the End of the Millenium: A Century of Innovation**  
- 1:00-2:30 Hyatt West: Stetson G  
  *Reviews the history of key technological innovations in the 20th century*  
  **Organizer:** Oscar Hauptman, Melbourne Business School

**Saturday 3:00 pm**

**830. TIM at the End of the Millenium: Preparations for the Year 2000**  
- 3:00-4:30 Hyatt West: Stetson G  
  **Organizer:** Oscar Hauptman, Melbourne Business School

**Sunday 8:00 am**
831. Research Issues in Technology and Innovation Management
- 8:00-10:00 Hyatt West: Stetson F
Discussion of cutting-edge research topics in technology and innovation
Chair: Raghu Garud, New York U.
Moderator: Terry Griffith, Washington U.
Panel: Peter Karnoe, Copenhagen Business School; Martin Kenney, U. of California, Davis; Michael Lawless, Duke U.; Wanda J. Orlikowski, Massachusetts Institute of Technology

Sunday 10:00 am

832. TIM: Understanding Patent Data Analysis
- 10:00-12:00 Hyatt West: Stetson E
Workshop describing how to analyze patent citation/classification data
Organizer: Lori Rosenkopf, U. of Pennsylvania

833. Scholarly Outlets for Research in Technology and Innovation Management
- 10:00-12:00 Hyatt West: Stetson F
TIM-related publishing opportunities in four scholarly outlets
Chair: Michael K. Badawy, Virginia Polytechnic Institute and State U.
Presenters: Philip Anderson, Dartmouth College; Christine Oliver, York U.; Robert A. Burgelman, Stanford U.

Monday 8:00 am

834. Division Welcome and Continental Breakfast
- 8:00-8:30 Hyatt West: Stetson E
Chair: George F. Farris, Rutgers U., Newark/New Brunswick

Monday 8:30 am

835. Paper: Journeying Through Technological Discontinuities: Implications for Theory and Teaching
- 8:30-10:20 Hyatt West: Stetson E
Speakers: Michael K. Badawy, Virginia Polytechnic Institute and State U.; Michael Lawless, Duke U.
The Rise and Fall of Dominant Designs at the Producer-Consumer Interface, Johannes Pennings, U. of Pennsylvania; Hann Ohl Kim, U. of Pennsylvania
Winners of TIM Division Best Paper Award Published in Conference Proceedings

Monday 10:40 am

- 10:40-12:00 Hyatt West: Stetson E
Chair: George F. Farris, Rutgers U., Newark/New Brunswick
Coordinator and Discussant: Shahid Yamin, Monash U.

Monday 12:20 pm

837. Paper: Managing Innovation: Perspectives from Around the World
- 12:20-2:10 Hyatt West: Stetson E
Chair: Gerard Gaynor
Coordinator and Discussant: Urs E. Gattiker, Aalborg U.; Ganesh N. Prabhu, Indian Institute of Management, Bangalore
Explaining the Decisions to Carry out Product and Process Innovations: The Spanish Case, Ester Martinez-Ros, U. of Carlos III
Organizational Design of R&D Teams: Modeling Demographic and Relational Characteristics as Interacting Variables, Federico Munari, U. of Bologna; Maurizio Sobrero, U. of Bologna
Product Innovation and Performance of New High Technology Ventures in China, Haiyang Li, City U. of Hong Kong; Kwaku Atuahene-Gima, City U. of Hong Kong
A Process Typology of University-Industry Joint Product Development Projects, Ganesh N. Prabhu, Indian Institute of Management, Bangalore

Monday 2:30 pm

838. Paper: Institutional Impacts on TIM: Patenting, Geography, and Market Rigidity
- 2:30-3:50 Hyatt West: Stetson E
Chair: Paul E. Bierly, James Madison U.
Innovating Against European Rigidities: Institutional Environment and Dynamic capabilities, Magali A. Delmas, U. of California, Santa Barbara
The Effect of Patenting on Liquidity: An Examination of US Pharmaceutical Firms, Edward F. Levitas, U. of Wisconsin, Milwaukee; Richard J. Martinez, Baylor U.
Organizing for Technological Innovation: The Impact of Geographic Centralization, Aya S. Chacar, London Business School
Discussant: Falguni Sen, Fordham U.

Monday 4:10 pm
Symposium: Looking for an Edge: Boundary Crossing and Boundary Maintenance in Pluralistic Knowledge Processes
- **Time:** 2:00-3:20 Hyatt West: San Francisco
- **Organizers:** Paul F. Skilton, Arizona State U.; Alan O'Sullivan, McGill U.

Paper: Inter-Organizational Technology Development: Transaction Costs, Commitment, and Complementarities
- **Time:** 2:00-3:20 Hyatt West: Stetson E
- **Chair:** Meir Russ, Franklin U.

**Symposium:** The Impact of the Institutional Environment upon US and Japanese Firms in Three High Technology Industries
- **Time:** 8:30-10:10 Hyatt West: Stetson E
- **Chair:** Henry W. Chesbrough, Harvard Business School; Jonathan West, Harvard Business School; Lynne Zucker, U. of California, Los Angeles

**Paper:** Strategies for Strategic Technology Alliances: Contingencies and Contrasts Over Time
- **Time:** 10:30-11:50 Hyatt West: Stetson E
- **Chair:** John P. Ulhoi, Aarhus School of Business

**Paper:** Mapping the Organization to the Product: Social and Technical Interdependencies in Product Design
- **Time:** 3:40-5:00 Hyatt West: Stetson E
- **Chair:** Joel D Goldhar, Illinois Institute of Technology

**Symposium:** The Antecedents and Consequences of Commitment in Information Technology Strategic Alliances
- **Chair:** Candace E. Young-Ybarra, Chapman U.; George Marcoulides, California State U., Fullerton

**Paper:** The Impact of Internal Context and Trust on Knowledge and Technology Transfer Activities Within Industry-University Cooperative Ventures
- **Time:** 2:00-3:20 Hyatt West: Stetson E
- **Chair:** Alan O'Sullivan, McGill U.

**Paper:** Beyond Complementarities, Compatibilities, and Synergies: Theoretical and Empirical Views on Intertemporal Overlaps in Alliances
- **Time:** 3:40-5:00 Hyatt West: Stetson E
- **Chair:** Thomas Chandy, Indiana U., Bloomington

**Symposium:** The Microdynamics of High Performance in High Tech: Leadership and Cooperation
- **Time:** 3:40-5:00 Hyatt West: Stetson E
- **Chair:** Joel D Goldhar, Illinois Institute of Technology

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- **Chair:** Joel D Goldhar, Illinois Institute of Technology
Wednesday 8:30 am

847. Paper: Building Dynamic Capabilities: Journeying into the Black Box

Chair: Oscar Hauptman, Melbourne Business School
Organizational Capabilities for Continuous Innovation,
Giannmario Verona, Bocconi U., Milan; Davide Ravasi, Bocconi U.
Adaptive Capacity and Innovation Performance, Steven White, Hong Kong U. of Science and Technology
Collaborative Management of Emergent Constraints:
Participant Observation of a Software Development Team,
Keith Wesley Rollag, Stanford U.
What's In an Organizational Routine? "Unpacking"
Knowledge Management, Daniel Z. Levin, Rutgers U.
Discussant: Cathy A. Rusinko, Villanova U.

Wednesday 10:40 am

848. Paper: Organizing for Innovation: Emerging Constraints and Opportunities

Chair: Thomas Chandy, Indiana U., Bloomington
Coordinator and Discussant: Russell W. Wright, U. of Illinois, Urbana-Champaign
Managing Innovation-Driven Change in the Product Development Process: "If Only We'd Known Sooner",
Trudy Heller, New Jersey Institute of Technology
Process Management and Organizational Adaptation To Technological Change, Mary J. Benner, Columbia U.
Winner of TIM Division Best Student Paper Award
Published in Conference Proceedings

Adapting to a New Environment: How a Legacy Software Organization Copes with Volatility and Change, Nancy Staudenmayer, Duke U.; Brett P. Matherne, Georgia State U.; Todd Graves, Lucent Technologies/Bell Laboratories; Audris H. Mockus, Lucent Technologies
Stop Me Before I Till Again: Managerial Capacity as a Constraint on Investment in Real Options, Michael L. Barnett, New York U.

Wednesday 12:20 pm

849. Symposium: Enhancing the Mature Firm's Capacity for Breakthrough Innovations: Results of a Four Year Longitudinal Multi-Case Study

Chair: Richard Leifer, Rensselaer Polytechnic Institute
Project Overview, Intent, Rationale, and Methodology,
Richard Leifer, Rensselaer Polytechnic Institute
Triggering Radical Innovation Projects, Mark P. Rice, Rensselaer Polytechnic Institute
Leadership, Management and Organizational Levers for Radical NPD Success, Richard Leifer, Rensselaer Polytechnic Institute
Operational Levers for Radical New Product Development Success, Christopher M. McDermott, Rensselaer Polytechnic Institute
Managing Technology Development in Radical Innovation, Lois Peters, Rensselaer Polytechnic Institute
Discussion, Conclusions, and Implications, Douglas Johnson, Hewlett Packard