

Technology and Innovation Management

Program Chair: Deborah Dougherty, Rutgers University

Workshop Chair: Philip Anderson, Dartmouth College

	Start	Regular Program	Shared Program
Friday	1:00 pm		79. Practitioner Series: Introduction to the Inquiry Process and Research Projects ♦ S: Gball 3
	5:00 pm		81. Critical Mgmt. Doctoral Workshop ♦ HW: Dusable 83. TIM/OCIS Doctoral Consortium ♦ HW: Stetson F
	6:00 pm		85. Reception for the New Doctoral ♦ S: Gball I
Saturday	7:30 am		87. Critical Management Studies: B ♦ HW: Comiskey
	8:00 am		89. Practitioner Series: Developing and Critiquing Action Research Projects ♦ HE: Columbus C/D 91. Critical Management Studies: P ♦ HW: Columbian 92. Critical Management Studies: ♦ HW: Buckingham 93. Critical Management Studies: P ♦ HW: Comiskey 94. TIM/OCIS Junior Faculty Consortium ♦ HW: Stetson E 95. New Doctoral Student Consortiu ♦ S: Gball I
	8:30 am		99. TIM/OCIS Doctoral Consortium ♦ HW: Stetson F 100. IAOM: Managerial Effectiveness in Latin America ♦ S: Alpine II
	10:00 am		107. Complexity & Management, Panels 1-2 ♦ HE: Columbus A
	10:30 am		110. IAOM: Competing in Latin America ♦ S: Alpine II
	1:00 pm	829. TIM at the End of the Milleniu ♦ HW: Stetson G	
	1:30 pm		118. IAOM: Challenges & Approaches to Quality ♦ S: Alpine II
	2:30 pm		122. Complexity & Management, Panels 3-4 ♦ HE: Columbus A
	3:00 pm	830. TIM at the End of the Milleniu ♦ HW: Stetson G	123. Management of the Tenure Proce ♦ S: Alpine II
	4:00 pm		125. Critical Management Studies: P ♦ HW: Comiskey
	6:00 pm		127. IAOM: Business Meeting & Dinner ♦ S: Alpine II
	6:30 pm		128. Reception for Practitioner Ser ♦ HE: Columbus C/D 130. Critical Management Studies: ♦ HW: Comiskey
Sunday	7:30 am		131. Critical Management Studies: B ♦ HW: Comiskey
	8:00 am	831. Research Issues in Technology ♦ HW: Stetson F	132. Launching an Academic-Practiti ♦ HE: Columbus C/D
	9:00 am		142. Critical Management Studies: ♦ HW: Columbian 143. Critical Management Studies: P ♦ HW: Buckingham 145. Critical Management Studies: P ♦ HW: Comiskey
	10:00 am	832. TIM: Understanding Patent Data ♦ HW: Stetson E 833. Scholarly Outlets for Research ♦ HW: Stetson F	
Monday	8:00 am	834. Division Welcome ♦ HW: Stetson E	
	8:30 am	835. P: Technological Discontinuities ♦ HW: Stetson E	
	9:00 am		272. JP: Service Orientation ♦ HE: GndBall D(N) 273. JP: Strategic Role of Networks ♦ HE: Columbus E/F
	10:40 am	836. P: Technology, Product Strategy ♦ HW: Stetson E	
	12:20 pm	837. P: Global Views of Innovation ♦ HW: Stetson E	277. JP: Radical Change ♦ HE: GndBall C(N)
	1:00 pm		311. JP: Technology Issues ♦ HE: Wacker West (4)
	2:30 pm	838. P: Institutional Impacts on TIM ♦ HW: Stetson E	223. JS: Knowledge and Boundaries ♦ HE: GndBall E
	4:10 pm	839. Distinguished Speaker ♦ HW: Stetson E	283. JP: Team Effectiveness ♦ HE: GndBall C(N) 285. JP: Organizational Performance ♦ HE: Columbus E/F
	5:30 pm	840. M: TIM Business Meeting ♦ HW: Stetson E	
	6:30 pm	841. Social Hour ♦ HW: Stetson E	
Tuesday	8:30 am	842. T: Institutional Environment ♦ HW: Stetson E	235. JS: Change and Performance ♦ HE: GndBall E 286. JP: Dynamic Environments ♦ HE: GndBall C(N)
	8:50 am		
	10:30 am	843. P: Strategic Technology Alliances ♦ HW: Stetson E	
	2:00 pm	844. S: Boundary Crossing, Knowledge ♦ HW: San Francisco 845. P: Interorganizational Technology ♦ HW: Stetson E	193. Replicating Knowledge (K) ♦ HW: Water Tower
	3:40 pm	846. P: Leading for High Performance ♦ HW: Stetson E	291. JP: Knowledge Creation & Evolution ♦ HE: GndBall C(N) 293. JP: Supply Chain Management ♦ HE: Columbus E/F 195. S: Emergent IT & Org. Change ♦ HW: Water Tower
Wed	8:30 am	847. P: Creating Capabilities ♦ HW: Stetson E	
	10:40 am	848. P: Organizing for Innovation ♦ HW: Stetson E	
	12:20 pm	849. S: Capacity for Innovation ♦ HW: Stetson E	203. Path Dependence and Creation ♦ HW: Regency Ball D(N)

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

Unraveling the Process of Creative Cooperation: Complementary Innovation in the Biopharmaceutical Industry, Frank T. Rothaermel, U. of Washington

Beyond Incumbents and Entrants: An Empirical Exploration of Product Line Management Strategy After Radical Technological Change, Neil Jones, U. of Western Ontario

Winner of Stephan Schrader Best Paper Award
Published in Conference Proceedings

Monday 10:40 am**836. Paper: Technology and Product Strategies: Contingencies, Contexts, and Chaos**

- ♦ 10:40-12:00 Hyatt West: Stetson E

Chair: George F. Farris, Rutgers U., Newark/New Brunswick
Coordinator and Discussant: Shahid Yamin, Monash U.

A Contingent Model of New Product Strategy under Degrees of Market Competitiveness, Jayanth Jayaram, U. of Oregon; Roger J. Calantone, Michigan State U.; Robert G. Cooper, McMaster U.; Elko J. Kleinschmidt, McMaster U.

Resource Context and the Returns to Investments in R&D,

Susan K. McEvily, U. of Pittsburgh; Bala Chakravarthy, U. of Minnesota

Winner of TIM Division Best Paper Runner-Up Award
Published in Conference Proceedings

Technological Evolution as a Complex Adaptive System, Lee Fleming, Harvard Business School; Olav Sorenson, U. of Chicago

Fast Cycle Capability: A Conceptual Integration, Ebi George, U. of Kansas; V. K. Narayanan, U. of Kansas

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. 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

New Product Development Benchmarks: The Japanese, North American and UK Consumer Electronics Industries, Nick Oliver, U. of Cambridge; Emma Dewberry, U. of London; Isabelle Dostaler, Laval U.

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 Rigidities**

- ♦ 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.

The Effect of Patent Systems on Firm Innovation: Evidence from the 1988 Japanese Patent Law Reforms, Mariko Sakakibara, U. of California, Los Angeles; Lee Branstetter, U. of California, Davis

Organizing for Technological Innovation: The Impact of Geographic Centralization, Aya S. Chacar, London Business School

Discussant: Falguni Sen, Fordham U.

Monday 4:10 pm

839. Innovation Streams, Ambidextrous Designs, and Organizational Evolution: Linking TIM with Organization Theory and Strategy

- 4:10-5:30 Hyatt West: Stetson E

Chair: Jeffrey K. Liker, U. of Michigan

Distinguished Speaker: Michael Tushman, Harvard U.

Monday 5:30 pm

840. Meeting: TIM Business Meeting

- 5:30-6:15 Hyatt West: Stetson E

Division Chair: George F. Farris, Rutgers U., Newark/New Brunswick

Monday 6:30 pm

841. Social Hour

- 6:30-7:30 Hyatt West: Stetson E

Division Chair: George F. Farris, Rutgers U., Newark/New Brunswick

Tuesday 8:30 am

842. Theme: The Impact of the Institutional Environment upon US and Japanese Firms in Three High Technology Industries

- 8:30-10:10 Hyatt West: Stetson E

This symposium selected as the TIM Theme Session

Presenters: Henry W. Chesbrough, Harvard Business School; Jonathan West, Harvard Business School; Lynne Zucker, U. of California, Los Angeles

Discussant: Bruce Kogut, U. of Pennsylvania

Tuesday 10:30 am

843. Paper: Strategies for Strategic Technology Alliances: Contingencies and Constraints Over Time

- 10:30-11:50 Hyatt West: Stetson E

Chair: John P. Ulhoi, Aarhus School of Business

Strategic Alliances and Product Development: An Empirical Study of the U.S. Semiconductor Start-up Firms, Roger Chen, U. of San Francisco; Mingfang Li, California State U., Northridge

Strategic Alliances and Firm Growth in Schumpeterian Competition, Jeho Lee, Korea Advanced Institute of Science and Technology; Seung-Ho Park, Rutgers U.; Young Ryu, U. of Texas, Dallas

Task Partitioning, Communication Activities, and the Performance of Supplier Relations in New Product Development: An Empirical Analysis, Maurizio Sobrero, U. of Bologna; Omar Nohad Toulou, McGill U.

Sourcing Strategies in New Product Development: Trade-Offs Between Internal and External Learning, Eric H. Kessler, Pace U.; Paul E. Bierly, James Madison U.; Shanthi Gopalakrishnan, Fairleigh Dickinson U.

Discussant: Melissa A. Schilling, Boston U.

Tuesday 2:00 pm

844. Symposium: Looking for an Edge: Boundary Crossing and Boundary Maintenance in Pluralistic Knowledge Processes

- 2:00-3:20 Hyatt West: San Francisco

Organizers: Paul F. Skilton, Arizona State U.; Alan O'Sullivan, McGill U.

Mapping the Organization to the Product: Social and Technical Interdependencies in Product Design, Alan O'Sullivan, McGill U.

Boundary Objects and Boundary Spanners: Identifying the Microsocial Processes of Knowledge Creation in Pluralistic Organizational Environments, David Obstfeld, U. of Michigan

Who Learns What, and When?: Understanding the Development of Collaboration and Coordination Competence in Pluralistic Knowledge Processes, Paul F. Skilton, Arizona State U.; William H. Glick, Arizona State U., Main

Science Platforms and Technology Sourcing: Rethinking the 'Make or Buy' Trade-off, Peter J. Lane, Arizona State U.; Kevin H. Steensma, Pennsylvania State U., U. Park

Crossing the Boundary: The Role of External Knowledge in Determining Firm Performance, Vikas Anand, U. of Arkansas; Charles C. Manz, U. of Massachusetts, Amherst; Peter W. Hom, Arizona State U.

Discussant: Deborah Dougherty, Rutgers U.

845. Paper: Inter-Organizational Technology Development: Transaction Costs, Commitment, and Complementarities

- 2:00-3:20 Hyatt West: Stetson E

Chair: Meir Russ, Franklin U.

Interorganizational Development Activities: The Likelihood and Timing of Contracts, Riitta Katila, U. of Texas, Austin; Paul Y. Mang, McKinsey & Co.

Winner of TIM Division Best Student Paper Award
Published in Conference Proceedings

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

The Impact of Internal Context and Trust on Knowledge and Technology Transfer Activities Within Industry-University Cooperative Ventures, Michael D. Santoro, Lehigh U.; Shanthi Gopalakrishnan, Fairleigh Dickinson U.

Beyond Complementarities, Compatibilities, and Synergies: Theoretical and Empirical Views on Interpartner Overlaps in Alliances, Christopher Tucci, New York U.

Discussant: Thomas Chandy, Indiana U., Bloomington

Tuesday 3:40 pm

846. Paper: The Microdynamics of High Performance in High Tech: Leadership and Cooperation

- 3:40-5:00 Hyatt West: Stetson E

Chair: Joel D. Goldhar, Illinois Institute of Technology

Climbing the Learning Curve: Leadership Learning and Its Relationship with Leadership Role Performance, Team Decision Processes and Project Performance, Giles Hirst, Melbourne Business School; Leon Mann, Melbourne Business School; Paul Bain, Melbourne Business School; Andrew Pirola-Merlo, Melbourne Business School

Individual Differences, Environmental Scanning, Innovation Framing, and Champion Behaviors: Key Predictors of Project Performance, Jane M. Howell, U. of Western Ontario; Christine M. Shea, U. of New Hampshire

Leadership Behavior and Boundary Management Actions Associated with Radical and Incremental Product Development Team Success, Richard Leifer, Rensselaer

Polytechnic Institute; Shikhar Sarin, Rensselaer Polytechnic Institute
No Lonely Heroes: High Performers' Approaches to Cooperation Situations, Sabine Sonnentag, U. of Amsterdam; Ilka Lange, U. of Giessen
Discussant: Nirmal Sethia, California State Polytechnic U., Pomona

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

Wednesday 8:30 am

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

- ♦ 8:30-10:20 Hyatt West: Stetson E

Chair: Oscar Hauptman, Melbourne Business School
Organizational Capabilities for Continuous Innovation, Gianmario 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

- ♦ 10:40-12:00 Hyatt West: Stetson E

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

- ♦ 12:20-2:10 Hyatt West: Stetson E

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