

Curriculum Vitae

Steven D. Eppinger

General Motors Leaders for Global Operations Professor
 Professor of Management Science and Innovation
 Sloan School of Management
 Massachusetts Institute of Technology
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URL: <http://web.mit.edu/eppinger/www>

Citations: <http://scholar.google.com/citations?user=ewwakRYAAAAJ>

Education

<i>Degree</i>	<i>School</i>	<i>Date</i>
Sc.D. (Mechanical Engineering)	MIT	9/88
S.M. (Mechanical Engineering)	MIT	6/84
S.B. (Mechanical Engineering)	MIT	2/83

Principal Fields of Interest

Product Development, Engineering Design, Technology Management, Project Management

History of MIT Appointments

<i>Rank</i>	<i>Start</i>	<i>End</i>
Professor of Innovation (by joint appointment)	7/09	—
Professor of Management Science	7/01	—
Professor of Engineering Systems (by joint appointment)	7/99	6/16
Associate Professor of Management Science (with tenure)	7/96	6/01
Associate Professor of Management Science (without tenure)	7/93	6/96
Assistant Professor of Management Science	7/88	6/93

Consulting Activities

Current and Ongoing Consulting Engagements

<i>Firm</i>	<i>Location</i>	<i>Since</i>
PTC	Boston, MA	6/12
Omega Therapeutics	Cambridge, MA	11/22

Current Advisory Boards

<i>Firm</i>	<i>Location</i>	<i>Date(s)</i>
Lattix, Inc.	Andover, MA	7/04 —

Completed Engagements

<i>Firm</i>	<i>Location</i>	<i>Date(s)</i>
Fusion for Energy	Barcelona	12/20 – 10/21
Lutron Electronics Co.	Coopersburg, PA	10/18 – 5/19
Ipsen Bioscience, Inc.	Cambridge, MA	10/17 – 1/19
Avatech	Park City, UT	9/13 – 6/18

Biogen	Cambridge, MA	12/14 – 4/16
Allen, Allen, Allen & Allen	Richmond, VA	6/14 – 2/16
BP Exploration and Production Co.	Houston, TX	11/12 – 8/14
Waters Corp.	Milford, MA	6/14
Nurun Inc.	Montreal, Canada	1/13 – 7/13
Apple, Inc.	Cupertino, CA	8/11 – 4/12
BP BioFuels	Houston, TX	5/12
Cabot Corp.	Billerica, MA	4/12
ANSYS, Inc.	Canonsburg, PA	12/11
VF Corp.	New York, NY	9/11
SolidWorks	Concord, MA	6/11
Plantronics, Inc.	Santa Cruz, CA	5/10 – 1/11
Becton Dickinson Medical-Surgical	Franklin Lakes, NJ	2/10 – 6/10
Ambient Devices, Inc.	Cambridge, MA	1/02 – 4/10
KLA-Tencor	Milpitas, CA	8/07
PTC	Needham, MA	1/04 – 7/07
iRobot, Inc.	Burlington, MA	9/06
ProChain Solutions, Inc.	San Diego, CA	2/06
Propulsor Technology, Inc.	Arlington, VA	9/05
Mitsubishi Electric Co.	Nagoya, Japan	7/05
Integral, Inc./Analysis Group	Cambridge, MA	10/91 – 6/05
Volvo Powertrain Inc.	Hagerstown, MD	5/05
NASA	Pasadena, CA	1/05
BP	Houston, TX	3/04
Medtronic, Inc.	Minneapolis, MN	1/04 – 3/04
Nokia Oy	Helsinki, Finland	10/03 – 10/06
ISI-Dentsu Inc.	Tokyo, Japan	11/03
Exostar, Inc.	Herndon, VA	11/03
Axiomatic Design Solutions, Inc.	Boston, MA	10/03
3dMaxMedia Inc.	Windermere, FL	11/99 – 6/02
Schlumberger Corp.	Cambridge, UK	12/01
Global One	Reston, VA	11/99 – 1/00
TEKES, Finland Technology Centre	Helsinki, Finland	6/99 – 1/00
Finnish Inst. of Tech Industries (FIMET)	Helsinki, Finland	8/93 – 1/00
Celsius Corp.	Stockholm, Sweden	6/99
Fiat Central Research	Torino, Italy	11/98 – 1/99
Andersen Consulting	St. Charles, IL	10/98
The Timken Co.	Canton, OH	11/97 – 2/98
Scania Trucks AB	Södertälje, Sweden	12/97
Kulicke & Soffa Industries, Inc.	Willow Grove, PA	5/97
Ford Motor Company	Dearborn, MI	7/93 – 4/97
IBASC	Princess Anne, MD	4/96 – 3/97
Product Genesis, Inc.	Cambridge, MA	10/96 – 12/96
International Business Machines Corp.	Palisades, NY	4/96
ABB Corporate Research	Vaasa, Finland	10/94 – 8/95
Benefon Oy	Salo, Finland	8/95
Saab Military Aircraft	Linköping, Sweden	8/95
Helkama Cable	Hanko, Finland	8/95
Xerox Corporation	Washington, DC	6/95
Nokia Mobile Phones	Salo, Finland	1/95
Ahlstrom Pyropower	Varkaus, Finland	10/94 – 1/95
Spectragraphics Corporation	San Diego, CA	7/94 – 1/95
Valmet Paper Machinery Corp.	Jyväskylä, Finland	8/93 – 10/94
ABB Industrial Systems Ltd.	Stevenage, England	6/94
ABB Asea Brown Boveri Ltd.	Zürich, Switzerland	9/93 – 11/93

Center for Concept Development	Princeton, NJ	6/92 – 1/93
Charles River Associates, Inc.	Boston, MA	5/92
Xerox Corporation	Webster, NY	5/91, 5/92
Eastman Kodak Co.	Rochester, NY	11/90, 7/91
Edward C. Levy Co.	Dearborn, MI	12/90 – 2/91
Top Sound, Inc.	Colorado Springs, CO	9/89
Premise, Inc.	Cambridge, MA	2/88 – 10/88
Federal Products Corp.	Providence, RI	6/84 – 4/85

MIT Executive Teaching

<i>Program/Sponsor</i>	<i>Location</i>	<i>Date(s)</i>
MITxPRO Technical Project Management	online courses	4/22 —
Sloan Exec. Ed. Mastering Design Thinking	online courses	3/18 —
Sloan Exec. Ed. IPADE	MIT	4/17 —
Sloan Exec. Ed. Advanced Mgmt. Pgm.	MIT	06/14 —
Sloan Exec. Ed. Systematic Innovation	MIT	11/13 —
Sloan Exec. Ed. Mahidol/SIBA Pgm	MIT	03/12 —
Sloan Exec. Ed. Complex Project Mgmt.	MIT	9/99 —
Sloan Exec. Ed. Saudi Electricity	MIT	12/22
Sloan Exec. Ed. Banco Popular	MIT	11/22
Sloan Exec. Ed. NACS	MIT	11/22
Sloan Exec. Ed. UL	MIT	9/22
Sloan Exec. Ed. AXA	MIT	4/22
Sloan Exec. Ed. Porsche	MIT	11/15, 2/22
Sloan Exec. Ed. Travelers	MIT	3/21
Sloan Exec. Ed. Fannie Mae	MIT	11/17 – 12/21
Sloan Exec. Ed. Danske Bank	MIT	11/20
Sloan Exec. Ed. Accenture Inovation	India	3/15 – 1/20
Sloan Exec. Ed. NACS	MIT	11/19, 11/22
Sloan Exec. Ed. Alfa Tech. Leaders	MIT and Mexico	10/15 – 6/19
Sloan Exec. Ed. CEMEX	MIT	11/17
Sloan Exec. Ed. Turk Telekom	MIT	4/17
Sloan Exec. Ed. Flex Ops. Mgmt.	MIT	5/16
Sloan Exec. Ed. Alstom Tech. Leaders	MIT and Switzerland	5/14 – 7/15
Sloan Exec. Ed. BP Operations Academy	MIT	6/12 – 7/14
MIT SDM Certificate Program	MIT	8/01 – 8/13
Sloan Exec. Ed. Product Development	MIT	6/97 – 10/12
Sloan Exec. Ed. BP Projects Academy	MIT	6/03 – 3/12
Sloan Exec. Ed. China Mobile Exec. Pgm	MIT	10/11, 9/12
Sloan Exec. Ed. ACMA Exec. Pgm	MIT and India	10/08 – 2/11
Sloan Exec. Ed. Boeing China Exec. Pgm	MIT	12/10
Sloan Exec. Ed. Air Liquide Exec. Pgm	MIT	10/10
Sloan Exec. Ed. Rusnano Exec. Pgm	MIT	4/10
Russian Oil and Gas Industry Pgm	Moscow	11/09, 10/10
Sloan Exec. Ed. Int'l. Mgmt Pgm	MIT	6/08, 6/09
Sloan Exec. Ed. Int'l Adv. Mgmt Pgm	MIT	6/06, 6/07
Sloan Exec. Ed. Mars University	MIT	4/06
Sloan Exec. Ed. Leading Innov. Enterp.	MIT	2/05, 3/06
MIT Project Mgmt. for Engineers Course	MIT	6/96 – 1/00
MIT India Executive Program	MIT	5/97, 5/98
MIT LFM Industry Leaders Course	MIT	11/95, 2/98
MIT Mgmt. of R&D Executive Program	MIT	6/95
MIT Summer Session Course	MIT	8/94
US Army Missile Command (MICOM)	MIT	5/94

Central/Eastern European Teachers Prog.	MIT	7/93
MIP/MIT Executive Program	MIT	6/91, 6/92

Other Executive Teaching

Program/Sponsor	Location	Date(s)
Fusion for Energy (ITER Project)	global	1/21 – 9/21
US Army R&D Center	Natick, MA	12/16
Pratt&Whitney Customer Training Ctr.	Farmington, CT	10/13
Qualcomm, Inc.	San Diego, CA	12/08
FARO Technologies	Cambridge, MA	10/07
Intl. Assn. of Product Development	San Diego, CA	1/06
Nordic Management of Technology Prog.	Boston, MA	11/92 – 9/02
Royal Complutense Spanish Scholars Pgm	Harvard Univ.	7/99 – 7/02
Exec. Masters in International Logistics	Georgia Tech, Atlanta	11/01
ENDREA	Göteborg, Sweden	10/01
Bose Corporation	Framingham, MA	3/01
Stockholm School of Econ, Exec MBA	Cambridge, MA	3/01
United Technologies Advanced Studies Pr.	East Hartford, CT	10/00
Euroforum	Madrid, Spain	5/00
Instituto Internacional San Telmo	Sevilla, Spain	5/99
Management Roundtable	Waltham, MA	2/97 – 11/98
CERTI Foundation	Florianópolis, Brazil	9/98
Sonera, Tele Business School	Finland	12/96 – 5/98
Chalmers Advanced Management Pgm.	Boston, MA	3/98
IIR Finland	Helsinki, Finland	12/96, 12/97
Design Management Institute	Amsterdam, Netherlands	3/97
University of Michigan	Ann Arbor, MI	8/96, 3/97
International Equipment Company	Needham Heights, MA	4/96
Unilever General Management Course	Kingston-upon-Thames, England	3/96
China Educational Tours	Boston, MA	7/92
Estonian Management Institute	Tallinn, Estonia	1/91

MIT Activities

Administrative Positions	Start	End
Co-Director, SDM and IDM Programs	4/10	6/22
Deputy Dean, Sloan School of Management	10/07	6/09
Interim Dean, Sloan School of Management	7/07	10/07
Deputy Dean, Sloan School of Management	7/04	6/07
LFM and SDM Programs (Co-Director)	7/01	7/03
Center for Innovation in Product Development (Co-Director)	6/00	1/02
Ford-MIT Collaboration (Program Area Manager)	5/98	9/01

Committees	Start	End
MIT Endicott House Board of Governors	7/07	6/25
Martin Trust Center Advisory Committee	9/19	—
Sloan Executive Education Committee	9/18	—
MIT Committee on Nominations	7/19	6/22
MIT Design Initiatives Committee	11/20	1/22
Sloan Task Force on Digital Education	9/18	6/20
Sloan Global Initiatives Committee	9/15	6/19
Committee on Outside Professional Activities	9/12	6/19
New Engineering Education Transformation Program Committee	6/16	6/17
Committee on MIT's Role in Reducing the Cost of Health Care	8/14	6/15

Corporation Joint Advisory Committee on Institute-Wide Affairs	7/12	6/15
Institute-wide Task Force on the Future of MIT Education	3/13	8/14
Entrepreneurship Minor Committee	7/12	6/14
Engineering Academic Programs Review Committee	1/14	5/14
Sloan Executive Personnel Committee	9/13	5/14
MIT-BP Research Program Committee	9/11	12/13
MIT Endicott House Review Committee (chair)	3/13	10/13
Sloan Fellows and EMBA Programs Committee	8/12	7/13
Sloan Undergraduate Education Task Force	10/12	5/13
MITx Steering Group	5/12	1/13
Ad Hoc Committee on Innovation and Entrepreneurship	11/11	6/12
ESD Organization Task Force	9/11	5/12
Sloan Executive Education Committee	9/09	6/10
Killian Award Selection Committee	9/09	6/10
MIT Task Force Working Group on Administrative Processes (co-chair)	2/09	6/10
MIT Committee on Conflicts of Interest in Research	9/08	6/10
Lemelson-MIT Sustainability Prize Screening Committee	10/08	6/09
MIT International Advisory Council	6/07	6/09
Sloan International Initiatives Committee (chair)	9/04	6/09
Sloan Executive Education Committee (chair)	9/04	6/09
Sloan Executive Personnel Committee	9/04	6/09
Sloan Space Committee	9/04	6/09
MIT Faculty Council	7/04	6/09
MIT Open CourseWare Director Search Committee (chair)	11/07	7/08
School of Engineering Strategic Planning Council	10/07	5/08
Sloan Undergraduate Program Committee	9/04	7/07
Sloan Doctoral Program Committee	9/04	7/07
School of Engineering Deans Search Committee	11/06	6/07
MIT Research Administration Council	9/05	6/07
MIT150 Sesquicentennial Planning Committee	11/06	1/07
Innovation and Entrepreneurship Program Design Committee	11/05	6/06
MIT Undergraduate Commons Task Force	7/04	8/06
MIT-BP Research Program Committee	9/04	12/05
MIT IT-SPARCC Council	9/04	9/05
Lemelson-MIT Prize Board	9/00	2/03
MIT Faculty Council	8/00	6/03
Sloan Undergraduate and Interdepartmental Program Committee	9/99	6/03
Sloan Masters Program Redesign Committee	3/02	12/02
Engineering Council (Extended)	7/00	6/02
Sloan Community Appreciation Awards Committee	5/00	5/02
Sloan Task Force on Educational Technology	9/99	3/02
MIT Committee on Undergraduate Policy (CUP)	9/98	8/01
Sloan Building Technology Sub-Committee	8/00	6/01
Sloan Undergraduate Minor Committee (Chair)	1/99	6/00
Lemelson-MIT Prize Screening Committee	10/97	4/00
Sloan Executive Education Committee	9/97	9/98
LFM Knowledge Transfer Committee	1/95	6/96
MIT Committee on the Writing Requirement	6/91	6/94
Sloan Committee on Faculty Load	9/90	12/90
Brooks Thesis Prize Committee	9/89	5/90
Sloan Committee on Undergraduate Advisors	8/89	6/96
Research and Teaching Programs	Start	End
Integrated Design and Management Program	9/15	—
System Design and Management Program	6/94	—

Leaders for Global Operations Program	9/88	—
Singapore-MIT Alliance (Advanced Manufacturing Technology Program)	7/99	7/02
Ford-MIT Collaboration	5/98	9/01
Center for Innovation in Product Development	6/96	6/02
Lean Aerospace Initiative	6/96	1/99
International Center for Research on the Management of Technology	9/90	6/98
International Motor Vehicle Program	8/91	6/93
Laboratory for Manufacturing and Productivity	9/88	5/93

Honors

Chairs	Start	End
General Motors Leaders for Global Operations Chair	6/09	—
General Motors Leaders for Manufacturing Chair	1/98	6/09
Nanyang Technological University Career Development Chair	11/93	6/95

Awards	Date
Technical University of Denmark H.C. Ørsted Distinguished Lecture	10/19
MIT Teaching with Digital Technology Award Nomination	6/17
INFORMS Technology, Innovation Management, and Entrepreneurship Distinguished Speaker Award	11/15
PICMET Medal of Excellence Award	8/15
Wickham Skinner Award for Best Paper Published in Production and Operations Management in 2013, 2nd place award	5/14
World Economic Forum, Global Agenda Council on the Skills Gap	5/08
POMS College of Product Innovation and Technology Management, Distinguished Fellow	5/06
University of Minnesota 5th Annual Allan D. Shocker Lecture	3/03
ASME Xerox DTM Best Paper Award	9/01
ASME Design Theory and Methodology Conference Best Paper Award	9/95
Academy of Management, TIM Division Best Books List	1/95
MIT Alumni/ae Award for Innovation and Excellence in Management Education	5/93
MIT Graduate Student Council Teaching Award	5/93

Grants	Start	End
Swisscom Research Grant	2018	2021
BP Research Grant	2013	2017
Siemens Research Grant	2009	2014
Nokia Oy Research Grant	2007	2008
Parametric Technology Corp. Research Grant	2006	2007
Singapore-MIT Alliance Research Grant	2000	2003
Ford-MIT Collaboration Research Grant	1999	2001
Center for Innovation in Product Development (CIPD) Research Grant	1999	2001
National Science Foundation Engineering Research Center Grant (CIPD)	1996	2001
Lean Aircraft Initiative Research Grant	1996	1999
Hewlett Packard Research Grant	1996	1999
NASA New Millennium Program Research Grant	1996	1998
International Center for Research on the Management of Technology Grant	1991	1998
International Motor Vehicle Program Research Grant	1991	1993
Leaders for Manufacturing Curriculum Devel. Grant (Sloan Foundation)	1990	1994
Digital Equipment Corporation Research Grant	1990	1992
General Motors Research Grant	1990	1991
National Science Foundation Technology Management Program Grant	1990	1992
Leaders for Manufacturing Research Grant	1989	1995
Leaders for Manufacturing Junior Faculty Grant	1988	1993

Professional Activities

Professional Memberships

American Society of Mechanical Engineers
Corporate Design Foundation
Design Management Institute
Design Society
Institute for Operations Research and Management Science
Institute of Electrical and Electronic Engineers
Production and Operations Management Society
Society of Concurrent Product Development
World Economic Forum, Councils on the Global Agenda

Recent Referee Activity

ASME Journal of Mechanical Design
Artificial Intelligence for Engineering Design, Analysis, and Manufacturing (AIEDAM)
California Management Review
CoDesign
Design Science
Design Studies
IEEE Transactions on Engineering Management
INFORMS-TMS, Best Paper Award
International Conference on Engineering Design
International DESIGN Conference
International Design Structure Matrix Conference
International Journal of Design Creativity and Innovation
International Journal of Product Development
Journal of Engineering and Technology Management
Journal of Engineering Education
Journal of Engineering Design
Journal of Modern Project Management
Journal of Product Innovation Management
Journal of Systems Science and Systems Engineering
Management Science
Manufacturing and Service Operations Management
MIT Press
NordDesign Conference
Operations Research
Organization Science
Production and Operations Management
R&D Management
Research in Engineering Design
Sloan Management Review
Systems Engineering

Leadership Activities

PICMET Fellows Judging Panel (2021)
Designs, Editorial Board (2018–)
IEEE Transactions on Engineering Management, Editorial Review Board (2017-2020)
INFORMS Technology Management, Innovation, and Entrepreneurship (TIME) Section, Best Paper Award Selection Committee (2016)
Portland International Center for Management of Engineering & Technology (PICMET) Advisory Council (2015-2021)

Journal of Modern Project Management, Editorial Board and Academic Editor (2013–2020)
 Journal of Product Innovation Management, Editorial Board (2013–2014)
 International Journal of Design Creativity and Innovation, Editorial Advisory Board (2012–)
 University of Cambridge, Judge Business School, Board of Electors to the Margaret Thatcher
 Professorship of Enterprise Studies (2011-2012)
 Tufts University, Gordon Institute, Industrial Advisory Board (2011-2017)
 Electronic Colloquium on Design Thinking Research, Scientific Board (2009-2015)
 Design Society Special Interest Group on Structural Complexity, Co-Chair (2008-2011)
 International Journal of Engineering Management and Economics Advisory Board (2007 –)
 Design Society Advisory Board (2007 –)
 CoDesign Editorial Board (2002 –)
 International Journal of Product Development Editorial Board (2002 –)
 Society of Concurrent Product Development Advisory Board of Directors (2001 –)
 International Design Structure Matrix Conference, Founder and Advisory Board (1999 –)
 Design Management Institute Research Advisory Council, Scientific Committee (1999 –)
 Design Studies Editorial Board (1997-2016)
 Manufacturing and Service Operations Management Editorial Board (1997-2004)
 ASME Design Theory and Methodology Committee (1990-2010)
 ASME Design Theory and Methodology Conf. Paper Review Coordinator (1992, 1996, 2002)
 Management Science Special Issue on Design and Development Associate Editor (1998-99)
 International Conference on Engineering Design Program Committee (1997, 1999, 2001, 2003)
 TIMS/ORSA Boston Joint National Meeting (Product Development Cluster Chair, 4/94)

Subjects Taught

Number, Title, Semester(s)

15.783J, Product Design and Development (S91, S92, S93, S94, S95, S96, S98, S99, S00, S01, S02, S03, S09, S10, S12, S13, S14, S15, S16, S17, S19, S20, S21, S22)
 15.782, Product Design Methods (S21, S22)
 15.735, Product Design - EMBA Elective (W15, W16, W17, W18, W19, W20)
 15.S72, Introduction to Product Management (S15)
 ESD.36J, System and Project Management (F02)
 SMA6306, Product Design and Development (F00, F01)
 15.760, Introduction to Operations Management (S89, S90, S91, S92, S93, S94)
 15.970, Special Module on Technology and Management (S90, F90, F91, F92)
 15.785, Design for Manufacturing (F88, F89)

Thesis Supervision

Doctoral Theses Supervised

Alison Olechowski, June 2017.
 “Essays on Decision-Making in Complex Engineering Systems Development”
 Daniel Sturtevant, February 2013.
 “System Design and the Cost of Architectural Complexity”
 Anshuman Tripathy, February 2010.
 “Work Distribution in Global Product Development Organizations”
 Darian W. Unger, June 2003.
 “Product Development Process Design: Improving Development Response to Market, Technical, and Regulatory Risks”
 Jay Jootar, June 2002.
 “A Risk Dynamics Model of Complex System Development”

Manuel E. Sosa R., June 2000.

"Analyzing the Effects of Product Architecture on Technical Communication in Product Development Organizations"

Maria Carrascosa, June 1999.

"Product Development Timing and Cost Analysis Using Information Flow Modeling"

Sharon Novak, June 1999.

"Sourcing By Design: Product Architecture and the Supply Chain"

Tyson Rodgers Browning, January 1999.

"Modeling and Analyzing Cost, Schedule, and Performance in Complex System Product Development"

Vikas Sharma, September 1996.

"A New Modeling Methodology Combining Engineering and Statistical Modeling Methods: A Semiconductor Manufacturing Application"

Viswanathan Krishnan, September 1993.

"Design Process Improvement: Sequencing and Overlapping Activities in Product Development"

Robert P. Smith, September 1992.

"Development and Verification of Engineering Design Iteration Models"

Masters Theses Supervised

Amit Galgali, May 2022

"Prototyping of Injection EVA Foam Footwear Midsoles"

Stephen Jeffrey Pickett, February 2022

"Applying the Design Structure Matrix to Streamline the Development Process: Lessons From Marine Renewable Development"

Daniel Reilly, June 2021

"Implementing Virtual Reality Based Digital Twins in Automotive Manufacturing"

Jonathan Marcus, June 2021

"Digital Strategy for Consumer Products"

Nithin Thekkupadam Narayanan, February 2021.

"Maximizing Value Creation in Agile Sprints"

Lisa Crofoot, May 2020.

"Management of Cross-Team Interfaces in Large-Scale Agile Development"

Ameneh Fadaie, May 2020.

"Exploration of Consumer Responses to Organic Food Pricing"

Javier Trevino Ruiz, May 2020.

"A Survey of Human-Centered Design Methodologies for a New Hybrid Approach in Product and Experience Innovation"

Siddharth Bajpai, February 2020.

"Planning Large-Scale Agile Development Using a Dependency Structure Mapping Model"

Andrea C. McClave, June 2019.

"User Experience Research for a Campus Food System"

Karen Cheng, June 2019.

"Sustainable Packaging Approaches Needed for Today's Emerging Waste Challenges"

Austin M. Page, February 2019. (reader)

"Technical Debt: The Cost of Doing Nothing"

- Rajaram Srinivasan, February 2019.
"Analysis of DevOps in Complex Product-Service System Development"
- Timothy Leonard Marquart, June 2018.
"Improving Design and Manufacturing Performance Through Advanced Visualization"
- Amit Kumar Tomar, September 2017.
"Study of Scrum Framework Usage in Non-Software Systems"
- Olawale A. Akinwale, February 2017.
"System Architecture Design of a Robust Heating System"
- Tushar Garg, February 2017.
"Estimating Change Propagation Risk using TRLs and System Architecture"
- Joseph Lessard, February 2017.
"Electronic Waste Recycling: Understanding the Ecosystem and Opportunities for Improvement"
- Andrew J. Byron, June 2016.
"Qualification and Characterization of Metal Additive Manufacturing"
- Nathan McMullin, June 2015.
"Value Creation through Intellectual Property Acquisition"
- Rodolfo Reyes Luna, February 2015.
"Leveraging the Capacity of Human Capital in a Product Development Organization"
- Jeremy M. Giese, June 2014
"Rugged Field Service Computing: A Product Development Case Study at Dell Inc."
- Luis Armando López Avila, February 2014.
"Incorporating the Innovation Process in a Product Development Organization"
- Anitha Balasubramaniam, February 2014.
"Financial Modeling of New Product Development Economics"
- Andrew Oswald, June 2013.
"Understanding Technology Development Processes: Theory & Practice"
- Toni J. Ferreira, June 2013.
"A Design Methodology for the User Interface of an Electromechanical Parts Database"
- Joshua Przybylko, June 2013.
"The Applications of Autonomous Systems to Forestry Management"
- Asif Iqbal, April 2013.
"A Study of Open Innovation and its Applications to product design"
- Carlos Xavier Zamora Torres, February 2013.
"Engineering Work Breakdown and Assignment for Global Product Development"
- Steven V. Bonelli and Adrian M. Gonzalez Guerra, September 2012.
"Application of the Design Structure Matrix (DSM) to the Real Estate Development Process using Modular Construction Methods"
- Louis S. Grillon, June 2012.
"Creation and Sustainment of Manufacturing Technology Roadmaps"
- Marcus Cullen Johnson, June 2012.
"Implementation of a Manufacturing Technology Roadmapping Initiative"
- Kurtis McKenney, June 2012.
"Sustainable Approach to Achieving Energy Efficiency in Manufacturing Operations"

Jeremy Pitts, June 2010.

“R&D Project Selection: Best Practices for Suppliers”

Benjamin Bulloch and John Sullivan, September 2009 (reader).

“Application of the Design Structure Matrix (DSM) to the Real Estate Development Process”

Bradley W. Rogers, June 2009.

“Understanding, Modeling, and Improving the Development of Complex Products: Method and Study”

David Margetts, June 2008.

“Improving the Manufacturing Yield of Investment Cast Turbine Blades through Robust Design”

Sabrina Chang, June 2007.

“Allocation of Engineering Resources to Global Sites Based on Coordination Cost and Project Structure”

Krishnan Raghunathan, June 2006.

“Productivity Improvement in Downstream EPC Projects using Value Streams based Organization”

Ying Pan, June 2006.

“Challenges and Rewards of Mechanical Platforming Strategy within Wireless Handset Industry”

Yonas Nebiyeloul-Kifle, June 2005.

”Application of the Design Structure Matrix to Integrated Product Development Process”

Jason T. Chen, June 2003.

“A Process for Improving Early Life Failure Response”

Lee Y. Koa, June 2003.

“Lean Principles, Behaviors, and Implementation Strategies for Automotive Product Design and Development”

Mack R. Lund, June 2003.

“Predicting Manufacturing Performance of New Radar Subassembly Designs”

Lincoln J. Sise, June 2003.

“A Lean Transformation in Low Volume Space Manufacturing”

Alberto J. Cividanes, June 2002.

“Optimal Scheduling of Design Reviews in Product Development”

Christopher Lance Durham, June 2002.

“Technology Strategy and Business Development at a Semiconductor Equipment Company: A Process Definition and Case Study of a New Technology”

Debika Ingham, June 2002.

“Quality Control and Improvement in a Low-Cost, High-Clockspeed Manufacturing Environment”

Asoka Veeravagu, June 2002.

“Development of an Optimal Manufacturing Strategy for Low-Volume Specialty Vehicles”

Soo-Haeng Cho, June 2001.

"An Integrated Method for Managing Complex Engineering Projects Using the Design Structure Matrix and Advanced Simulation"

Quang Nguyen, June 2001.

"Optimizing Engineering Analysis Resource Allocation"

Douglas C. Hague, February, 2001.

"Description of a Turbofan Engine Product Development Process"

Matthew F. Bromberg, June 2000.

"Modeling Design Rework in a Product Development Process"

- Miguel A. Hurtado, June 2000.
"Modeling and Analysis of Performance of the Steering Angle Sensor Development Project"
- Néstor Alejandro Macias Anaya, June 1999.
"Engineering Design Lead Time Drivers Model"
- Carey W. Mar, June 1999.
"Process Improvement Applied to Product Development: An Approach to Control of Development Lead Time"
- Ronald Pepin, February 1999.
"Application of Critical Chain to Staged Software Development"
- Craig M. Rowles, February 1999.
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