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## Curriculum Vitae

### Steven D. Eppinger

General Motors Leaders for Global Operations Professor  
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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, Operations Management, 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

### Other Academic Employment

<i>Employer</i>	<i>Position</i>	<i>Start</i>	<i>End</i>
Reykjavik University, Iceland	Visiting Professor	1/12	1/15
HEC Paris, France	Visiting Professor	9/09	10/14
University of Iceland, Reykjavik	Visiting Professor	3/07	1/10
SKK University, Seoul, Korea	Visiting Professor	7/05	
Helsinki University of Tech., Finland	Visiting Professor	5/00	9/00
Lund Institute of Tech., Sweden	Visiting Professor	11/98	
Chalmers Institute of Tech., Sweden	Visiting Professor	12/97	
Royal Institute of Tech., Sweden	Visiting Professor	1/97	
Tampere University of Tech., Finland	Visiting Professor	5/95	
Helsinki University of Tech., Finland	Visiting Professor	10/94	
STOA MBA Program, Ercolano, Italy	Instructor	7/94	
Helsinki Univ. of Technology Euro MBA	Instructor	5/92	5/94
Nanyang Technological Univ., Singapore	Visiting Professor	8/91	9/94
Lowell Institute School, Cambridge	Instructor	1/86	12/86

**Non-Academic Employment**

<b>Employer</b>	<b>Position</b>	<b>Start</b>	<b>End</b>
DaCa Realty Trust	Superintendent	6/84	8/88
TRW Fasteners Division	Manufacturing Engineer	6/81	8/82
Stamford Tool and Die, Inc.	Machinist	6/80	1/81
MIT Dept. of Earth Sciences	Machinist	2/80	12/82

**Consulting Activities****Current and Ongoing Consulting Engagements**

<b>Firm</b>	<b>Location</b>	<b>Since</b>
Lutron Electronics Co.	Coopersburg, PA	10/18

**Current Advisory Boards**

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

**Completed Engagements**

<b>Firm</b>	<b>Location</b>	<b>Date(s)</b>
Avatech	Park City, UT	9/13 – 6/18
Ipsen Bioscience, Inc.	Cambridge, MA	10/17 – 5/18
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
PTC	Needham, MA	6/12
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>
Sloan Exec. Ed. CEMEX	MIT	11/17 —
Sloan Exec. Ed. Fannie Mae	MIT	11/17 —
Sloan Exec. Ed. Turk Telekom	MIT	4/17 —
Sloan Exec. Ed. Flex Ops. Mgmt.	MIT	5/16 —
Sloan Exec. Ed. Alfa Tech. Leaders	MIT and Mexico	10/15 —
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. Accenture Inovation	India	3/15 – 11/16
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

<b><i>Program/Sponsor</i></b>	<b><i>Location</i></b>	<b><i>Date(s)</i></b>
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

<b><i>Administrative Positions</i></b>	<b><i>Start</i></b>	<b><i>End</i></b>
Co-Director, SDM and IDM Programs	4/10	—
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

<b>Committees</b>	<b>Start</b>	<b>End</b>
Sloan Executive Education Committee	9/18	—
Sloan Task Force on Digital Education	9/18	—
Sloan Global Initiatives Committee	9/15	—
MIT Endicott House Board of Governors	7/07	—
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

**Other Activities**

	<b>Start</b>	<b>End</b>
MIT Freshman Advisor	2008, 09, 11, 14, 16	
Operations Management Faculty Search Committees	1992, 94, 97, 00, 05, 06, 07, 10, 14, 15, 16	
Entrepreneurship Faculty Search Committee	2007	2008
Engineering System Division Faculty Search Committees	2000	2003
Teaching Coordinator, Operations Management Group	1997	2001
MIT Science and Engineering Program for Middle and High School Teachers	6/89	6/97
Operations Management Doctoral Admissions (Coordinator)	2/95	4/95
Dover Club of MIT (Zeta Beta Tau Fraternity) Board of Trustees	9/89	6/94
Undergraduate advisor to ~10 Sloan undergraduates	8/89	6/96
Operations Management Doctoral Admissions (Reader)	2/89	—
Design Thesis Workshop (IAP activity)	1/92	1/92
MIT Freshman Admissions (Reader)	1/89	3/89

**Honors****Chairs**

	<b>Start</b>	<b>End</b>
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**

	<b>Start</b>	<b>End</b>
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**

	<b>Start</b>	<b>End</b>
Swisscom Research Grant	2018	2019
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

### ***Prior Referee Activity***

Aeronautical Journal  
ASME Design Automation Conference  
ASME Design for Manufacturing Conference  
ASME Design Theory and Methodology Conference  
ASME Journal of Dynamic Systems, Measurement, and Control  
ASME Journal of Engineering for Industry  
ASME Press  
American Control Conference  
Cambridge University Press  
Communications of the ACM  
Computer Magazine  
Computers & Industrial Engineering  
Concurrent Engineering Research and Applications  
Control Systems Magazine  
Engineering and Physical Sciences Research Council, UK  
European Journal of Industrial Engineering  
European Journal of Operational Research  
Harvard Business School Press  
IEEE International Conference on Robotics and Automation  
IEEE Transactions on Aerospace and Electronics Systems  
IEEE Transactions on Automatic Control  
IEEE Transactions on Robotics and Automation  
IEEE Transactions on Semiconductor Manufacturing  
IEEE Transactions on Systems, Man, and Cybernetics  
IIE Transactions  
International Journal of Production Research  
International Journal of Robotics Research  
Journal of Engineering Manufacture  
Journal of Robotic Systems  
Journal of Scheduling  
National Science Foundation  
Manufacturing Review  
Omega  
Oxford University Press  
Robotics and Computer-Integrated Manufacturing

### ***Leadership Activities***

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–)  
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 –)  
 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)  
 15.735, Product Design - EMBA Elective (W15, W16, W17, W18, W19)  
 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)

## Publications

### **Books**

#### *Product Design and Development*

McGraw-Hill/Irwin, New York, Seventh Edition, 2020. (in press for June 2019 release)  
 [with K.T. Ulrich and M.C. Yang]

#### *Product Design and Development*

McGraw-Hill/Irwin, New York, Sixth Edition, 2016. ISBN 978-0-07-802906-6  
 Also in several foreign language translations and special international editions.  
 [with K.T. Ulrich]

#### *The Guide to the Product Management and Marketing Body of Knowledge*

Product Management Educational Institute (PMEI), Carson City, 2013.  
 [edited with G. Geracie]

#### *Design Structure Matrix Methods and Applications*

MIT Press, Cambridge, 2012. ISBN 978-0-26-201752-7 and 978-0-26-252888-7.  
 Also in Japanese language edition.  
 [with T.R. Browning]

#### *Product Design and Development*

McGraw-Hill/Irwin, New York, Fifth Edition, 2012. ISBN 978-0-07-340477-6.  
 Also in several foreign language translations and special international editions.  
 [with K.T. Ulrich]

*Product Design and Development*

McGraw-Hill/Irwin, New York, Fourth Edition, 2008. ISBN 978-0-07-310142-2.

Also in several foreign language translations and special international editions.

[with K.T. Ulrich]

*Product Design and Development*

McGraw-Hill/Irwin, New York, Third Edition, 2004. ISBN 0-07-247146-8.

Also in Spanish, Russian and other foreign language translations.

[with K.T. Ulrich]

*Product Design and Development*

McGraw-Hill, New York, Second Edition, 2000. ISBN 0-07-229647-X.

Also in Korean, Italian, Bahasa Indonesian, and Mandarin.

[with K.T. Ulrich]

*Web Site and Instructor's Manual for "Product Design and Development"*

<http://www.ulrich-eppinger.net>

[with K.T. Ulrich]

*Product Design and Development*

McGraw-Hill, New York, 1995. ISBN 0-07-065811-0.

[with K.T. Ulrich]

*Instructor's Manual for "Product Design and Development"*

McGraw-Hill, New York, 1995. ISBN 0-07-065812-9.

[with K.T. Ulrich]

**Book Chapters**

Foreword to *Handbook of Research on Trends in Product Design and Development*, A. Silva and R. Simões, IGI Global, 2010.

"Projektmanagement – Produktentwicklungsprojekte zielorientiert und effizient gestalten" (chapter on efficient management of product development projects),  
In *Handbuch Produktentwicklung*, B. Schäppi, M.M. Andreasen, M. Kircheorg, and F-J. Radermacher (Eds.), Hanser-Verlag, Munich, 2005. (in German)

"Organizing the Tasks in Complex Design Projects,"

In *Computer-Aided Cooperative Product Development*, D. Sriram, R. Logcher, and S. Fukuda (Eds.), Springer-Verlag, New York, 1991.

[with D.E. Whitney, R.P. Smith, D.A. Gebala]

**Refereed Journal Articles**

"Characterizing Design Process Interfaces as Organization Networks: Insights for Engineering Systems Management"

*Systems Engineering*, vol. 19, no. 2, pp. 158-173, 2016.

[with P. Parraguez and A.M. Maier]

"Information Flow through Stages of Complex Engineering Design Projects: A Dynamic Network Analysis Approach"

*IEEE Transactions on Engineering Management*, vol. 62, no. 4, pp. 604-617, 2015.

[with P. Parraguez and A.M. Maier]

"Improving the Systems Engineering Process with Multilevel Analysis of Interactions"

*Artificial Intelligence for Engineering Design, Analysis, and Manufacturing (AIEDAM)* vol. 28, no. 4, pp. 323-337, November 2014.

[with N.R. Joglekar, A. Olechowski, and T. Teo]

"Structuring Work Distribution for Global Product Development Organizations"  
*Production and Operations Management*, vol. 22, no. 6, pp. 1557-1575, November/December 2013.  
[with Anshuman Tripathy]

"Improving Product Development Process Design: A Method for Managing Information Flows, Risks, and Iterations"  
*Journal of Engineering Design*, vol. 22, no. 10, pp. 689-699, October 2011.  
[with Darian Unger]

"Organizing Global Product Development for Complex Engineered Systems"  
*IEEE Transactions on Engineering Management*, vol. 58, no. 3, pp. 510-529, August 2011.  
[with Anshuman Tripathy]

"The Fundamental Challenge of Product Design"  
*Journal of Product Innovation Management, Special Issue on Product Design*  
vol. 28, no. 3, pp. 399-400, May 2011.

"On the Feasibility of Solar-Powered Irrigation"  
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