

# Stevens Institute of Technology 2006-2007 Catalog

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## The Wesley J. Howe School of Technology Management - I



**LEX MCCUSKER, DEAN**  
**LOUIS F. LAUCIRICA, ASSOCIATE DEAN AND DIRECTOR OF UNDERGRADUATE STUDIES**  
**EDWARD A. STOHR, ASSOCIATE DEAN FOR RESEARCH AND ACADEMICS**

### Bachelor of Science

Business and Technology

### Master of Technology Management for Experienced Professionals

### Master of Business Administration for Experienced Professionals

### Master of Science-Master of Business Administration

### Master of Business Administration-Technology Management

Engineering Management  
 Financial Engineering  
 Global Technology Management  
 Information Management  
 Information Technology in Financial Services Industry  
 Information Technology in the Pharmaceutical Industry  
 Information Technology Outsourcing  
 Pharmaceutical Management  
 Project Management  
 Telecommunications Management

### Master of Science

### Information Systems

Computer Science (Interdisciplinary)  
 E-Commerce  
 Entrepreneurial IT  
 Global Innovation Management  
 Human Resource Management  
 Information Management  
 Information Security  
 Integrated Information Architecture (Interdisciplinary)  
 IT in Financial Services Industry  
 IT in the Pharmaceuticals Industry  
 IT Outsourcing  
 Project Management

Quantitative Software Engineering  
(Interdisciplinary)  
Systems Engineering (Interdisciplinary)  
Telecommunications Management

### **Management**

General Management  
Global Innovation Management  
Human Resource Management  
Information Management  
Project Management  
Technology Commercialization  
Technology Management

### **Telecommunications Management**

Business Management  
Global Innovation Management  
Management of Wireless Networks  
On-line Security, Technology, and Business  
Project Management  
Security Forensics  
Technical Track

### **Pharmaceutical Management**

### **Doctor of Philosophy in Technology Management**

Information Management  
Technology Management  
Telecommunications Management

### **Graduate Certificate**

Project Management  
Telecommunications Management  
Advanced Certificate in Management of Wireless  
Networks  
Pharmaceutical Management

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### **FACULTY\***

#### **Professors**

Edward A. Friedman, Ph.D. (1963), Columbia  
University  
C. Timothy Koeller, Ph.D. (1979), Rutgers  
University  
Louis Laucirica, M.B.A. (1971), Pace University  
Donald N. Merino, P.E., Ph.D. (1975), Stevens  
Institute of Technology  
Richard R. Reilly, Ph.D. (1969), University of  
Tennessee  
Aaron J. Shenhar, Ph.D. (1976), Stanford  
University  
Edward A. Stohr, Ph.D. (1973), University of  
California, Berkeley

**Associate Professors**

M. Hosein Fallah, Ph.D. (1975), University of Delaware  
Patricia J. Holahan, Ph.D. (1992), Purdue University  
Peter A. Koen, Ph.D. (1977), Drexel University  
Thomas Lechler, Ph.D. (1996), Karlsruhe University  
Gary S. Lynn, Ph.D. (1993), Rensselaer Polytechnic Institute  
Jeffrey V. Nickerson, Ph.D. (1994), New York University  
Ira H. Sack, Ph.D. (1976), Stevens Institute of Technology

**Assistant Professors**

Peter Dominick, Ph.D. (1998), Stevens Institute of Technology  
Fotios Harmantzis, Ph.D. (2002), University of Toronto  
Ann C. Mooney, Ph.D. (2000), University of Georgia  
Peerasit Patanakul, Ph.D. (2004), Portland State University  
Michael zur Muehlen, Ph.D. (2002), University of Muenster, Germany

**Industry Professor, Computer Science and Telecommunications Management**

Manu Malek, Ph.D. (1970),  
University of California, Berkeley

**Distinguished Professors**

Audrey Curtis, Ph.D. (1980), New York University  
Jerome N. Luftman, Ph.D. (1991), Stevens Institute of Technology

**Industry Associate Professor**

Elliott Fishman, Ph.D. (1996), University of Pennsylvania

**Distinguished Associate Professor**

Kevin Ryan, Ph.D. (1996), Stevens Institute of Technology

**Distinguished Service Professors**

John Keating, Ph.D. (1979), Temple University  
Joseph Morabito, Ph.D. (1995), Stevens Institute of Technology  
Robert Seymour, Ph.D. (1981), New York University  
Bernard Skown, M.B.A. (1970), Harvard

Business School  
Robert Stinerock, Ph.D. (1987), Columbia  
University  
William Stahlin, M.B.A. (1971), Rutgers  
University  
Elizabeth Watson, Ph.D. (2005), Columbia  
University

### **Executives in Residence**

Murrae Bowden, Ph.D. (1969), Queensland  
University  
George M. Calhoun, Ph.D. (1980), University of  
Pennsylvania  
Joel Dobbs, Ph.D. (1976), University of  
Tennessee  
Allen S. Ginsberg, Ph.D. (1970), Stanford  
University  
Alan Maltz, Ph.D. (2001), Stevens Institute of  
Technology  
Steven R. Savitz, M.S. (1978), Columbia  
University

### **Senior Lecturers**

Zvi Aronson, Ph.D. (1997), Stevens Institute of  
Technology  
Christine Bullen, M.S. (1976), Sloan School,  
Massachusetts Institute of Technology  
Peter Dominick, Ph.D. (1998), Stevens Institute  
of Technology  
Arthur S. Guarino, J.D. (2003), Rutgers Law  
School University  
Michael Poli, Ph.D. (2006), Stevens Institute of  
Technology  
Barbara Taylor, M.S. (1996), Stevens Institute of  
Technology

### **Special Visiting Professors**

Niv Ahituv, Ph.D. (1979),  
Tel Aviv University  
Boaz Ronen, Ph.D. (1985),  
Tel Aviv University

### **Visiting Scholars**

William Guth, Ph.D. (1973),  
Harvard University  
Sallie Sherman, Ph.D. (1985),  
Ohio State University  
Joseph Sperry, Ph.D. (1974),  
Ohio State University  
Harlan Ullman, Ph.D. (1977),  
Fletcher School, Tufts University

\*The list indicates the highest earned degree, year awarded,  
and institution where earned.

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## ADVISORY BOARDS

### B.S. Business Advisory Board

Arthur Dresner, Attorney at Law, Reed Smith  
 Donald R. Friedman, President, Protegrity  
 Frank Ianna, Former President, AT&T Network Services  
 Arthur E. Imperatore, Chairman, NY Waterway  
 David A. Laughland, CEO, Growth Investment Enterprise  
 Nicholas R. Marcalus, President and CEO, Marcal Paper Mills, Inc.  
 Mark H. Nordenson, Director and Chairman, Nash Engineering Co., Inc.  
 Glenn Rockefeller, Managing Director, Guardian Technology Partners  
 Richard Roscitt, former Chairman and CEO, ADC Telecommunications  
 Virginia Ruesterholz, President - Wholesale Markets, Verizon Communications  
 David Bulter Vietor, Principal, Acorn Foundation  
 James M. Walsh, Principal, Capital Solutions L.L.C.  
 Jerald M. Wigdortz, Chief Executive Officer, Imbot.com, Inc.

### M.S. Management On-Campus Advisory Board

Dan Breheney, General Manager and Director, Panasonic Training Center, Matsushita Electric  
 William Guth, Professor of Management and Strategy, NYU Stern School of Business  
 Tom Hogan, Executive Director, AT&T Education Alliance, AT&T Solutions  
 Karen Jurman, Assistant Vice President, Human Resource Systems, Metlife  
 Andrew Hosking, Associate Partner, Andersen Consulting  
 Janina Pepe, Manager, Central Police Systems, Port Authority of NY and NJ  
 Karen Smith, Vice President, Organizational Development, Pershing  
 James Stryker, President, Integrated Product Development

### M.S. Information Systems Review Board

ADP	Horizon	Pershing
AIG	IBM	Port Authority of NY and NJ
American Home Products	ISO	Prudential
AT&T	Johnson and Johnson	PSE&G
BASF	John Wiley and Sons	Schering-Plough
Bestfoods	Lucent Technologies	UBS Paine Webber
Bristol-Myers Squibb	Merck	UPS
Chubb	Merrill Lynch	Verizon

CIT	NJ Transit
CitiGroup	OMICRON
Fort Monmouth	Pearson

Stevens has been an active participant in the creation of the Model Curriculum and Guidelines for Graduate Degree Programs in Information Systems, sponsored by the Association for Computing Machinery (ACM) and the Association for Information Systems (AIS). The Stevens Master of Science - Information Systems (MSIS) both endorses and adheres to the model.

### **M.S. Telecommunications Management Advisory Board**

APL - Johns Hopkins University  
Lucent Technologies  
Quintum Technologies  
Texas Instruments  
UTS Starcom  
Verizon

### **Master of Technology Management Advisory Board**

Joseph Shiposh, Picatinny ARDEC  
Kevin McCarthy, AT&T  
Linda Villa, AT&T  
Thomas Spencer III, AT&T Bell Labs  
Diane Smith, Avaya  
Ned Jarmas, Bestfoods  
Thomas Sheehan, Fort Monmouth CECOM  
Fred Shultz, Exxon/Mobil R&E  
Bernard Spang, IBM  
Parinaz Sekechi, Lucent  
Jerry LaSalle, Polymer Technologies  
Frank Ponzio, Symbolic Systems  
David Brudnicki, Verizon

### **Pharmaceutical Technology Management Program**

Doug May, Solution Partner  
Pharmaceutical and Health Sciences  
BusinessEdge Solutions

Larry E. Hare, Ph.D.  
Vice President, Information Management Strategy and Operations  
Wyeth Research

Thomas Haverty, M.D.  
Group Vice President, Clinical Development  
Schering-Plough

Raymond Roggero  
President/COO  
CSSC Incorporated

Dan Klingler, Ph.D.  
Sr. Vice President

Bristol-Myers Squibb (retired)

David J. Mazzo, Ph.D.  
President and CEO  
Chugai Pharma USA L.L.C.

Elby M. Nash  
Industry Principal, Pharmaceuticals  
Fujitsu Consulting

Ulö Palm, M.D., M.B.A.  
Executive Director, Clinical Operations, Oncology  
Novartis

John Houston, Ph.D.  
Vice President, Applied Biotechnology and Discovery Biology  
Bristol-Myers Squibb

Isidoro Perez  
Vice President, Worldwide Regulatory Affairs  
Schering-Plough (retired)

Richard S. Berkof, Ph.D., P.E.  
Professor of Mechanical Engineering and Director of  
Pharmaceutical Mfg. Eng. Program  
Stevens Institute of Technology

Nicholas Cappuccino, Ph.D.  
Vice President, Scientific Affairs  
Sandoz Inc.

Kevan Clemens  
Roche (retired)

A.K. Ganguly, Ph.D.  
Distinguished Service Professor - Chemistry and Chemical  
Biology Department  
Stevens Institute of Technology

Alex Giaquinto, Ph.D.  
Senior Vice President, Worldwide Regulatory Affairs  
Schering-Plough (retired)

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