

**William A. Kline, Ph.D.**

Associate Dean for Professional Experiences and  
Professor of Engineering Management  
Rose-Hulman Institute of Technology

**Address:**

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**Degrees:**

Ph.D.	1982	Mechanical Engineering	University of Illinois at Urbana-Champaign
M.S.	1979	Industrial Engineering	University of Illinois at Urbana-Champaign
B.S.	1977	Industrial Engineering	University of Illinois at Urbana-Champaign
A.B.	1977	Liberal Arts (Pre-Engineering)	Illinois College (a 3/2 degree program with UIUC)

**Rose-Hulman Service:**

Years of Service at Rose-Hulman: 8

Original Appointment Date and Rank: September 2001, Associate Professor of Engineering Management

Date(s) of Promotion(s) and Resulting Rank(s):

September 2009, Associate Dean for Professional Experiences and Professor of Engineering Management

September 2005, Associate Dean for Professional Experiences and Associate Professor of Engineering Management,

Received Tenure in 2007-08 year, promotion to professor in 2009-10.

Interim Department Head in Engineering Management, 2007-08.

**Professional Experience:**

September 2005 to Present : Rose-Hulman Institute of Technology, Associate Dean for Professional Experiences and (Associate) Professor of Engineering Management, Terre Haute, IN

September 2003 to September 2005 : RHIT, Associate Professor of Engineering Management.

May 2002 to June 2003 : Montronix Inc., Vice President of Engineering and Operations.

September 2001 to May 2002 : RHIT, Associate Professor of Engineering Management.

1990-2001 : Montronix Inc., Co-founder and Stockholder, Vice President and Chief Technical Officer, Senior Vice President and Chief Operating Officer of Montronix Inc., Ann Arbor, MI.

1982-1990 : Kennametal Inc., Development Engineer, Manager of Sensor Systems, Raleigh, N.C.

1982 : University of Illinois at Urbana-Champaign, Visiting Assistant Professor – Department of Mechanical and Industrial Engineering.

**Patents:**

US Patent 6526359B1, 'Apparatus and Method for Measuring Small Increases in Machine Tool Drive Motor Power', Ivan Dzombak and William Kline, February 25, 2003.

### **Selected Publications in recent years:**

- Ardis, Mark , Patricia Brackin, Robert Bunch, Zac Chambers, William Kline, Thomas Mason, Yosi Shiberu, David Voltmer, Julia Williams, 'Multidisciplinary, Entrepreneurial Activities in a Capstone Design Sequence', Presented at the 2005 American Society for Engineering Education Annual Conference & Exposition, June 12-15, 2005, Portland, OR.
- Schoen, Jeremy, Thomas W. Mason, William A. Kline, and Robert M. Bunch, 'The Innovation Cycle : A New Model and Case Study for the Invention to Innovation Process,' Engineering Management Journal, Vol. 17, No. 3, September 2005.
- Kline, William A., Anice Anderson, Thomas Mason, Hong Wei Liu, and Sudershan Tirumala, 'International Incubator Alliances: Tools for Building More Global Entrepreneurial Organizations', Proceedings of the 26<sup>th</sup> ASEM National Conference, October 2005, p. 578-585.
- Kline, William A. and Thomas Mason, 'Rose-Hulman Ventures, Outcomes from an Experiential Learning Program', Proceedings of the 2007 Midwest Section Conference of the American Society for Engineering Education, September 2007.
- Kline, William A. and Thomas Mason, 'Innovation Stage Projects for Undergraduate Engineers, Defining Mission Through a Focus on Innovation', Proceedings of the 2009 American Society of Engineering Management IL/IN Section Conference, Valparaiso, IN, March 2009. Winner Best Paper at Conference.
- Baker, J. M. Yoder, B. Black, R. Throne, and W. Kline, 'Scorecards – Tracking Progress in Senior Design Project Courses', Proceedings of the 2009 ASEE Annual Conference, Austin, TX, June 2009. Finalist for Best Paper in DEED Division.
- Jakubowski, J. A. Western, and W. Kline, 'The Innovation University', ICEE/ICEER Conference, Korea, August 2009.

### **Membership in Scientific and Professional Societies:**

- American Society of Mechanical Engineers (25 years)
- American Society of Engineering Education
- American Society of Engineering Management

### **Selected Honors and Awards:**

- Alpha Pi Mu
- Phi Beta Kappa
- University of Illinois Bronze Tablet
- ASME Blackall Award – 1983
- Excellence in Service Award, Rose-Hulman, Leadership Academy 2009.
- NIST-ATP grant, 95-02-0020, \$1.2M, 1995, Development of Machining Diagnostic System, principal investigator.
- NIST-ATP grant, 98-01-0108, \$1.38M, 1998, Next Generation Intelligent Tool Monitoring System, principal investigator.
- Lilly Endowment grant, \$375k, Advancing Innovation in Engineering and Technical Education, principal investigator, 2009.

### **Institutional and Professional Service of the last five years:**

- Member Graduate Studies Committee (2006-10)
- Freshman Advisor (2008-2010)
- Member Patents, Licensing, and Copyrights Committee (2008-09)
- Member PTR Review Commission (2006-07)
- Member of Leadership Academy Committee (2008-09)
- Interim Head of Engineering Management Department (2007-08)
- Member of RHV Task Force (2007-08)
- Member of Multidisciplinary Entrepreneurial Design (MEED) course development committee
- UIUC Alumni Board member for Mechanical and Industrial Engr (2000-2004)
- Member Indiana Venture Center Board (2006-08)