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Mechanical Engineering Expert for Intellectual Property Litigation and Product Liability  
Testified in large and high-profile litigation involving complex engineering issues  
Registered Professional Engineer in Mechanical Engineering in Pennsylvania

#### Education

Ph.D. in Mechanical Engineering, Virginia Tech, Dissertation “Information Modeling in Mechanical Design”, 1995  
M.S. in Mechanical Engineering, Virginia Tech, 1990  
B.S. Mechanical Engineering, Virginia Tech, 1988

#### Professional Experience

Professor of Mechanical Engineering, Bucknell University, Lewisburg, PA, 1995-2018  
Visiting Professor, Royal Melbourne Institute of Technology, Australia, 2014-2015  
Visiting Research Scientist, Australia Defense Science and Technology Group, 2014-15  
Visiting Research Scientist, Institute for Human and Machine Cognition, 2008-09  
Visiting Professor, Swiss Federal Institute of Technology in Lausanne, 2002-03  
Faculty Research Fellow, National Institute of Standards and Technology, 1998-1999  
Instructor of Mechanical Engineering, Virginia Tech, 1992-1995  
Process Engineer, Sony Music Corporation, 1988-89

Published over 100 papers in engineering design, reverse engineering, information management and engineering education.

Consulting and led projects with dozens of companies including Corning, Inc., Proctor and Gamble, Primus Technologies, Universal Studios, Pennsylvania Small Business Development Center, Industrial Modernization Center, US Army ARDEC, Shumaker Industries, PikRite, Inc.

Taught courses in Engineering Design, Manufacturing Processes, Mechatronics, Mechanics

#### Awards

“Foundation for Interoperability in Next Generation Product Development Systems” Most Influential Papers in Computers and Information in Engineering, ASME, 2005.  
“A Model for Information Flow in Design”, Best Paper Award, ASME Design Theory, 2000.  
Star Performer Award for development of Stage-Gate product development process by Pennsylvania Small Business Development Centers.

US Patent No. 9,919,958 B2, “Glass Sheet and System and Method for Making Glass Sheet”, assigned to Corning Inc., 2018.

#### Affiliations

American Society of Mechanical Engineers, American Society of Engineering Education