

WOLF YEIGH, Ph.D.

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425.352.5221

CURRENT AFFILIATION AND POSITIONS

University of Washington, Bothell, Washington

Chancellor

Professor in the School of Science, Technology, Engineering and Mathematics

Professor (adj) in the School of Business

EDUCATION AND TRAINING

Princeton University, Princeton, New Jersey

Doctor of Philosophy in Civil Engineering and Operations Research

Dissertation: Imperfections and Instabilities

Graduate Certificate in Science, Technology and Public Policy

The Woodrow Wilson School of Public and International Affairs

Concentration: Technology Transfer

Master of Arts in Civil Engineering and Operations Research

Stanford University, Stanford, California

Master of Science in Mechanical Engineering

Concentration in Applied Mechanics and Materials Science

Dartmouth College, Hanover, New Hampshire

Bachelor of Arts in Engineering Science

Undergraduate Investigation: Wear Mechanics of Titanium Nitride Thin Hard Coatings

United States Navy

Strike Lead Attack Training Syllabus, NAS Fallon, Nevada

Navy Fighter Weapons School, Miramar, California

Navy Electronic Warfare Officer Course, Dam Neck, Virginia

Naval Intelligence Officer Basic Course, Dam Neck, Virginia

Naval Officer Candidate School, Newport, Rhode Island

Certification

Certified Engineering Management Professional (EMCP Certification #: G05101001)

Research and Scholarship

Mathematical and Computer Modeling; Analytics; Simulation; Science and Technology Policy; Engineering Physics; Engineering Management; Safety and Security Studies

Teaching

Science and Technology Policy, Engineering Economy and Project Management, Mechanics, Stability, and Reliability

PROFESSIONAL EXPERIENCE

2013-present

University of Washington Bothell, Bothell, Washington

Chancellor and Professor of Engineering

Tenured Faculty Appointment in the School of Science, Technology, Engineering and Mathematics; Term Faculty Appointment in the School of Business

2008-2013

State University of New York

President and Professor, Institute of Technology at Utica/Rome, Utica, New York

Tenured Faculty Appointment at the State University of New York; Term Appointment in the College of Nanoscale Science and Engineering, University at Albany, Albany, New York
Co-Chair (gubernatorial appointment), Mohawk Valley Regional Economic Development Council, New York

Board of Directors, Fort Schuyler Management Corporation, Utica, New York

2006-2008

Norwich University, Northfield, Vermont

Vice President for Academic Affairs and Dean of the Faculty, and Professor

Tenured Faculty Appointments in the School of Business and Management and in the David Crawford School of Engineering

2003-2006

Saint Louis University, St. Louis, Missouri

Dean, Parks College of Engineering, Aviation and Technology

Director, Center for Science, Technology and Engineering Policy

Tenured Faculty Appointments in the Cook School of Business and Parks College (Aerospace & Mechanical Engineering) and Term Appointment in the Graduate College

1999-2003

Yale University, New Haven, Connecticut

Assistant Provost for Science and Technology

Fellow, Pierson College; Term Appointment in Mechanical Engineering and in the Graduate School of Arts and Sciences

1995-1999

Oklahoma State University, Stillwater, Oklahoma

Assistant Professor of Civil and Environmental Engineering

1994-1995

The World Bank, Washington, DC

Consultant

Working for the China and Mongolia Division, I conducted enterprise reform and policy research for the fertilizer industry in China.

1991-1995

Princeton University, Princeton, New Jersey

Graduate Research Assistant and Preceptor, Civil Engineering and Operations Research, 1991-1995;
Lecturer, The Woodrow Wilson School of Public and International Affairs, 1995; Assistant
Master, Forbes College, 1993-1995

1987-1995

United States Navy

Tactical Air Intelligence Officer

Fighter Squadron Seventy-Four (VF-74), Oceana, Virginia, 1988-1991

U.S. Naval Reserve, 1991-1995

EXTERNAL FUNDING

- SUNYIT-SUNY Manufacturing Alliance Research and Technology Transfer (SMART), \$15 million, NYSUNY2020 Challenge Grant
- SUNYIT: CGAM (Center for Global Advanced Manufacturing), \$275,000, NYS ESD, 2013
- SUNYIT AIS Cybershield II, \$480,000, NYS ESD, 2013
- STEM Education Pipeline, National Science Foundation, \$212,000 (multi-regional grant \$2.95 million), 2012
- STEM Faculty Initiative at SUNYIT, NYS Assembly Member Item, \$500,000, 2012
- Marcy Technology Complex at SUNYIT, NYS ESD, \$15 million, 2012
- Cyber Shield, NYS ESD, \$274,000, 2012
- Capital Project Grant, Strategic Investment Program (SIP), New York State Assembly, \$250,000, 2011
- Cyber Security Shield Initiative (CSSI), US Department of Defense, \$4 million (approved by House Armed Services Committee), 2011
- Center of Competency in Information Technologies, New York State Assembly, \$1.5 million, 2010
- Establishment of a High Technology Workforce Development Initiative in Emerging Computational Technologies, New York State Capital Assistance Program (NYS CAP), \$7.5 million, 2009
- New York State Computer Chip Hybrid Integration Partnership (CHIP), \$240 million (partnership with College of Nanoscale Science and Engineering, University at Albany), 2009
- Bridging the Cyberspace Divide, NTIA Broadband Technology Opportunities Program for Sustainable Broadband Adoption, 2010
- Chinese Language Institute for Norwich University, U.S. Department of Defense, 2007
- Internship Program for Norwich University, Vermont Department of Labor, 2007
- Intermodal Transportation Safety and Security, Congressional/Homeland Security, 2006
- Vital Signs Monitoring and Location Service, Hewlett-Packard Company, 2005-2006
- Stability of MEMS Cantilevers, Center for Sensors and Sensor Technology, 1998-1999

- Energy Resource Management—A System Dynamics Approach” Environmental Institute, Center for Energy Research, 1998-1999
- WISE 2000, National Science Foundation, 1998-1999
- Characterizing Hard Drive Surfaces Against Start-Stop Friction, Seagate Technology, Inc., 1997-1999
- Stochastic Simulation of Eccentrically Loaded Columns, Oklahoma State Regents for Higher Education, 1995-1996
- Lew Wentz Foundation (9 awards between 1995-1999)
- Critical Imperfection Magnitude Method, NATO Collaborative Research Grant, 1994

AWARDS AND HONORS

- Elected Fellow of American Society of Mechanical Engineers
- Dedicated Service Award, American Society of Mechanical Engineers
- Top Contributor Award, Northwest Asian Weekly
- Superior Summit Award, I Corps, United States Army, Joint Base Lewis McCord
- Faculty of the Year Award, Multicultural Engineering Program, Oklahoma State University
- Faculty-Member-in-Residence, Washington Internships for Students of Engineering (WISE), (3 awards)
- Research Excellence Award, Oklahoma State University
- The Air Force Office of Scientific Research (AFOSR) Faculty Fellowship
- General Electric Foundation Fellowship
- American Society of Mechanical Engineers Rothermel Graduate Scholarship
- Teaching Fellowship, Math and Sciences for Minority Students, Phillips Academy Andover

SERVICE

American Council on Education
 American Society of Civil Engineers
 American Society for Engineering Education
 American Society of Mechanical Engineers
 Connecticut Pre-Engineering Program
 Dartmouth College
 Engineering Management Certification International (EMCI)
 International Council on Systems Engineering
 International Mechanical Engineering Conference and Exposition
Journal of Automobile Engineering
Journal of Mechanical Engineering Science
Journal of Process Mechanical Engineering
Journal of Systems and Control Engineering
Journal of Engineering Analysis with Boundary Elements
 Missouri Transportation Institute
 National Science Foundation
 New England Association of Schools and Colleges (NEASC) Commission

Princeton University
St. Louis Regional Chamber and Growth Association
Society of Sigma Xi
Society of Tribologists and Lubrication Engineers
Vermont Technology Council
Washington Internships for Students of Engineering
Wisconsin, Indiana, Yale, National Optical Astronomy Observatory (WIYN) Consortium, Inc.
World Conference on Boundary Elements and Other Mesh Reduction Methods

TEXTBOOK

Mechanics of Materials Companion: Case Studies, Design, and Retrofit, John Wiley & Sons, 2002

PUBLICATIONS

35. "Nanofluid Natural Convection Around A Cylinder By BEM" (with J. Ravnik and L. Skerget), *WIT Transaction on Modelling and Simulation*, 61 (2015), 261-272.
34. "iNNOVATING iNNOVATION" (invited) Plenary, Proceedings of 2014 Daejeon Global Innovation Forum, Daejeon, Republic of Korea, (2014)
32. "Disaster and Crisis Management" (invited) Zborník príspevkov zo 6. medzinárodnej vedeckej konferencie BEZPEČNÉ SLOVENSKO A EURÓPSKA ÚNIA, (6th International Scientific Conference Secure Slovakia and European Union, Kosice, Slovak Republic), (2012)
31. "The WISE Program: Setting the Standard," *ASTM Standardization News*, July/August (2012), pp. 22-23
30. "Moment Formulation for Random Eigenvalue Problems in Beams" (with J. Hoffman), *WIT Transactions on the Built Environment*, 120 (2011), 185-193.
28. "Random Eigenvalue Problems in Beams: Thermal Loads" (with K. Chan), *WIT Transactions on The Built Environment*, 112 (2010), 533-543.
27. "Motion of Nanoscale Contaminant Particles in Air Bearings" (with R. Polwort and G.S. Gipson), *WIT Transactions on Modelling and Simulation*, 49 (2009), 377-386.
26. "The unit circle trap in boundary elements redux" (with G.S. Gipson), *Engineering Analysis with Boundary Elements*, 32 (2008) 431-437.
23. "Scaling Issues Related to Modeling of Railroad Car Damage II – Explosions, Fires, and Safety Valves," (with G.S. Gipson), *Mathematical and Computer Modelling*, 42 (2005) 483-488.
22. "Scaling Issues Related to Modeling of Railroad Car Damage I – Derailment, Plastic Deformation, Rupture and Impact," (with G.S. Gipson), *Mathematical and Computer Modelling*, 42 (2005) 471-482.
15. "Out of Plane Settlement of Cylindrical Tanks: API-653 vs. FEM" (with K. Erdmann), *Hydrocarbon Engineering International*, May (1999).
9. "Uncertainty Modeling in Structural Stability" (with M. Shinozuka), *Uncertainty Modeling in Finite Element, Fatigue and Stability of Systems*, World Scientific (1997) 215-260.
3. "Buckling of Imperfection Sensitive Structures: A Stochastic Approach" (with M. Shinozuka, G. Palassopoulos, and G. Deodatis), *Proceedings of the 12th U.S. National Congress of Applied Mechanics*, Seattle, WA, (1994).
1. "The Ivy Melting Pot: A Progress Report," *Higher Education Abstracts*, (1985).