

**2006 WISE Program  
Senior S&T Public Policy Advisor**

**BJONG WOLF YEIGH, PH.D., F.ASME**

**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**

Naval Officer Candidate School, Newport, Rhode Island

Naval Intelligence Officer Basic Course, Dam Neck, Virginia

Strike Lead Attack Training Syllabus (SLATS), NAS Fallon, Nevada

Navy Fighter Weapons School (Top Gun), Miramar, California

Navy Electronic Warfare Officer Course, Dam Neck, Virginia

**Certification**

Certified Engineering Management Professional (EMCP Certification #: G05101001)

Certifying authority: Engineering Management Certification International (EMCI)

Member institutions (ASME, ASCE, AIME, and AIChE)

**PROFESSIONAL EXPERIENCE**

2003-Present

**Saint Louis University, St. Louis, Missouri**

Director, Center for Science, Technology and Engineering Policy (2005-present); Dean, Parks

College of Engineering, Aviation and Technology (2003-1/2006); Tenured Faculty

Appointments in the Departments of Engineering Technology, Aerospace & Mechanical

Engineering, and Biomedical Engineering and in the Graduate College (2003-present)

Research. Modeling and Simulation; Science and Technology Policy; Engineering Physics;

Engineering Management

Teaching. Engineering Economy and Project Management; Mechanics; Stability; Reliability; and

Science and Technology Policy

Director, Center for Science, Technology and Engineering Policy (C-STEP): to develop and conduct policy research and to facilitate educational programs in science and technology policy. The multi-disciplinary center is a partner in Engineering In Social Context: Relevant Education Using Instructional Modules (EISCREUIM), a Washington Internships for Students of Engineering (WISE) and multi-university engineering policy and education consortium.

Dean, Parks College of Engineering, Aviation and Technology at Saint Louis University: management and oversight of six departments: Aerospace and Mechanical Engineering, Aviation Science, Biomedical Engineering, Electrical and Computer Engineering, Engineering Technology, and Physics, offering B.S., M.S. and Ph.D. programs.

- Accomplishments as dean
  - Established fourteen new endowments (the college has had two endowment funds in its development history)
  - Instituted the first Ph.D. degree program in Biomedical Engineering
  - Organized six new research centers in Integrated Emergency Management; Quality in Engineering, Systems and Transportation; Science, Technology and Engineering Policy; Sensors and Sensor Technologies; Data Mining and High Performance Computing; and Physics of Fluids at All Scales.
  - Established a transportation safety and security program through the Missouri Transportation Institute
  - Optimized 8% of the college budget without eliminating faculty slots
  - Established international cooperative agreements with Ciudad del Saber (City of Knowledge) in Panama and Hankuk Aviation University in Korea
  - Facilitated corporate partnership program
  - Introduced an interdisciplinary doctoral program in engineering, applied science and technology
  - Planned a new industry-based systems engineering program with the Boeing Corporation, St. Louis
  - Founded the Research Strategies Group
  - Partnered with Missouri Transportation Institute as a member institution
  - Assisted in the development of a federal relations program
  - Executed an incentive program for faculty development and research
  - Instituted junior faculty mentoring program
- Primary Committee Membership
  - Council of Academic Deans and Directors (CADD)
  - University Technology Advisory Committee (represented CADD)
  - Undergraduate Academic Affairs Committee (formerly the Board of Undergraduate Studies, represented CADD)
  - University Budget Planning Committee
  - University Postdoctoral Affairs Committee
  - Research Strategies Group (chair)
  - Midwest Undergraduate Private Engineering Colleges (MUPEC) Council
  - Search Committees
    - Cook School of Business, Decision Science and MIS Chair Search (chair)
    - Parks College, Oliver L. Parks Endowed Chair Search (chair)

1999-2003

**Yale University, New Haven, Connecticut**

Assistant Provost for Science and Technology; Fellow, Pierson College; Assistant Professor, Mechanical Engineering

Reporting to the Provost of the University and the Deputy Provost for Science and Technology, I was responsible for oversight and management of

- Faculty of Arts and Sciences (FAS): 17 departments in the physical sciences, engineering, biological sciences, and social sciences
  - Faculty recruitment and retention negotiations
  - Research appointment process and evaluation
  - Faculty and staff salary reviews
  - Faculty Affairs Program
  - Budget planning and management (2002 dollars)
    - Science Operating Budget: \$100 million
    - Science Capital Budget: \$40 million
    - Science Development Fund: \$16 million expenditure
    - Grants and Contracts: \$100 million expenditure
- Academic support units in the sciences
  - Office of Grant and Contract Administration
  - Office of Cooperative Research
  - Postdoctoral Office
  - Yale Institute for Biospheric Studies
  - Peabody Museum of Natural History
- Research oversight (with other offices and units)
  - Conflict of Interest, Research Compliance, Federal Relations, Indirect Costs, Postdoctoral Policy, Academic and Scientific Misconduct Policy, Research Development
- Accomplishments
  - Transitioned the university conflict of interest administration into compliance
  - Provided leadership and oversight in the creation of the FAS faculty affairs program
  - Facilitated grant management and business process improvements in the sciences
  - Provided guidance in setting priorities and streamlining the capital budget process for science facilities
  - Initiated research development program to increase external research funding
  - Targeted junior faculty mentoring and development
  - Facilitated building interdisciplinary research centers/programs in Astronomy and Astrophysics, Combustion, Genomics and Proteomics, and Microelectronic Materials
- Primary Committees
  - Faculty of Arts and Sciences Steering Committee
  - University Committee on Gift Stewardship
  - University Committee on Conflict of Interest
  - University Information Security Committee
  - Engineering Long-Range Planning Committee
  - University Committee on Research Compliance
  - Institutional Animal Care and Use Committee

- Engineering Research Building Committee
- Chemistry Research Building Committee
- Science Hill Task Force

1995-1999

**Oklahoma State University, Stillwater, Oklahoma**

Assistant Professor, Civil and Environmental Engineering

Built research and teaching programs in stochastic mechanics in reliability and stability, system dynamics; established a research collaboration in tribology with mechanical engineering; and initiated a new program in Science, Technology and Public Policy in the College of Engineering; initially appointed 1995; re-appointed 1999

- Co-Director (OSU), Southwest Mechanics Conference
- Curriculum Committee, Engineering Mathematics
- Engineering Science 2142 Oversight Committee (Strength of Materials)
- Engineering Science 2213 Oversight Committee (Thermodynamics)
- Founding Member, Curriculum Committee, School of International Studies
- International Agribusiness Committee
- Faculty Adviser, American Society of Civil Engineers
- Faculty Adviser, Concrete Canoe Racing Team
- Faculty Representative, Civil Engineering Scholarship Committee
- Faculty Representative, Accreditation Board for Engineering and Technology (ABET)

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

- Precepted Methods in Engineering and Public Policy course
- Assisted in instruction for Civil Engineering and Operations Research
- Oversight of day-to-day operations (academic, social and cultural programming) of a residential college; supervised a staff of 16 resident advisers, 4 minority affairs advisers, and 8-member student council

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

Commissioned November 1987, Honorably discharged July 1995, Last Rank: Lieutenant (O-3)

- Led sailors in peacetime and in wartime in intelligence gathering and assessment

- Primary Billets held: Tactical Intelligence Officer, Intelligence Oversight Officer, Strike Cell Intelligence Liaison Officer, Administrative Officer, Training Officer
- Operation Desert Shield and Operation Desert Storm, August 1990-March 1991

### **SPONSORED RESEARCH**

- Engineering In Social Context: Relevant Education Using Instructional Modules (EISCREUIM), National Science Foundation CCLI Program, \$2,000,000 (Pending), other participating institutions include Washington, UMBC, Massachusetts, Penn State, Missouri-Columbia, and Drexel
- Intermodal Transportation Safety and Security, Congressional/Homeland Security (through the office of United States Senator Christopher “Kit” Bond, R-Mo.), \$3 million request; (\$1 million received for the Missouri Transportation Institute, MTI)
- Vital Signs Monitoring and Location Service, Hewlett-Packard Company, 2005-present
- “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)
  - “Appropriate Technology in Civil Engineering Structures”
  - “Asian Economic Crisis: Engineering Policy Implications in Oklahoma”
  - “Composite Materials for Repair and Rehabilitation of Aging Infrastructure”
  - “Dynamic Modeling of Disaster Relief Programs”
  - “Economics of Oklahoma Transportation: Winter Road Management Policy”
  - “Environmental Impact Analysis: Remediation or Prevention”
  - “Examination of U.S. Post-Disaster Policy on Structural Damage”
  - “Oklahoma’s Energy Resources: Analysis and Management
  - “Optimizing Tulsa’s Transportation Network”
- “Critical Imperfection Magnitude Method” NATO Collaborative Research Grant, 1994

### **AWARDS AND HONORS**

- Elected a Fellow of American Society of Mechanical Engineers
- Faculty of the Year Award, Multicultural Engineering Program, Oklahoma State University
- Faculty-Member-in-Residence, Washington Internships for Students of Engineering (WISE)
- 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

## MENTORING, TEACHING, AND CURRICULUM DEVELOPMENT

### Undergraduate Research Project Supervision

#### Washington Internships for Students of Engineering (WISE)

- Scott Michael Bailey, *Federally Funded Energy Research and Development: Should It Be Sacrificed to Balance the Budget*
- J. Andrew Baker, *Particulate Matter Regulations and Implications for the Diesel Engine*
- Gregory J. Beskow, *ISO 9000 and QS-9000: The Federal Government's Role in Quality Standards Systems*
- Peter F. Caracappa, *The Nuclear Fuel Cycle: Reprocessing and Recycling for Power*
- Fara Churgin, *Past, Present and Future: The National Ambient Air Quality Standards for Ozone and Particulate Matter*
- Shawn Davis, *The Research and Experimentation Tax Credit: Restructuring and Extension*
- Amy Gowder, *Medical Devices: Saving Lives, But Is It In Time?*
- Christopher Hansen, *Nuclear Power Plant License Renewal: Policy and Economic Considerations*
- Scott Heideman, *The Next Generational Internet: Defining the Federal Government's Role*
- Alvin Henry, *Technical Challenges Resulting from Electrical Utility Restructuring: Reliability Enforcement and Accountability*
- DeLeah Lockridge, *The Effects of Utility Deregulation on the Nuclear Industry*
- Cynthia McFadden, *Alternative Fuel Vehicles: Should The Federal Government Bridge the Economic Gap?*
- Marybeth Reynolds, *Global Climate Change: United States Proposals for International Policy*
- Frederick Sheffield, *Intelligent Transportation Systems: Improving Yesterday's Infrastructure With Modern Technology*
- Elizabeth Wood, *Project XL: Balancing Environmental Performance With Regulatory Flexibility*
- Greg Ayres, *Consumer Incentives to Reduce Greenhouse Gas Emissions from Personal Automobiles*
- Syronna Brown, *Internet Access in Rural Areas and Inner Cities*
- Emily Emerson, *Building for the Future: Energy Efficiency for Low-Income Consumers*
- Nathan Harnly, *Stranded Costs and Other Economic Challenges in Utility Restructuring*
- Loretta Hawkes, *Advanced Vehicle Development and State-Federal Cooperation*
- Chris Henderson, *Transportation of Spent Nuclear Fuel*
- Elizabeth Lester, *Minimization of Global Climate Change Using Clean Coal Technology*
- Jeff Meagher, *Decarbonization of the Energy Fuel Supply: Engineering a Non-Carbon Response to Global Climate Change*
- Melissa Polverini, *International PNGV-Equivalent Programs: Where Does the United States Stand?*
- Luke Postema, *Automated Highway Systems: Incremental Deployment as a Solution for the Future of Transportation*

- John Rhoads, *Encryption Exportation Restrictions: Balancing National Security and Economic Interests*
- Richard Shertzer, *Mil-Spec and Mil-Std Reform*
- Kevin Stamm, *Agricultural Nonpoint Source Pollution Control Initiatives*
- Daniel Stiles, *HSGT: Federal Role in Research, Development and Deployment*
- Robert Thornburg, *Ethanol: Start Me Up*
- Craig Zoltowski, *Superfund Liability: Is It Too Strict?*

#### Other Undergraduate Research Projects

- Annie Forsberg,
  - *Environmental Impact Analysis: Remediation or Prevention*
  - *Asian Economic Crisis: Engineering Policy Implications in Oklahoma*
- Chris Malloy, *Composite Materials for Repair and Rehabilitation of Aging Infrastructure*
- Jenny Maxson
  - *Optimizing Tulsa's Transportation Network*
  - *Economics of Oklahoma Transportation: Winter Road Management Policy*
- Jill McLaren
  - *Examination of U.S. Post-Disaster Policy on Structural Damage*
  - *Dynamic Modeling of Disaster Relief Programs*
- Charles Russell, *Oklahoma's Energy Resources: Analysis and Management*
- Steven Baranski, *Appropriate Technology in Civil Engineering Structures*

#### **Curricular Supervision**

- Saint Louis University: 10 students per year
- Oklahoma State University: 50 students per year

#### **Organizational Advising**

- Yale University, Team Lux Solar Car Racing Team, Adviser
- Oklahoma State University, Concrete Canoe Racing Team, Adviser
- Oklahoma State University, American Society of Civil Engineers, Adviser

#### **Graduate Thesis/Dissertation Advising**

(\* Major Adviser, + Doctoral Committee Member)

- Kah-Kan Chan\*, “Stability of Beams Subjected to Thermal Imperfections” (1999)
- Kenneth Erdmann\*, “Out of Plane Settlement of Cylindrical Tanks: API-653 vs. FEM” (1999)
- Paul Hoffecker<sup>+</sup> (1998)
- James Hoffman\*, “Stability of Structures Subjected to Eccentric Load Imperfections”, OSU Research Excellence Award (a university-wide competition) (1996)
- Nizam Najd<sup>+</sup> (1999), currently assistant professor at Oklahoma State University
- Richmond Polwort\*, “Characterizing Hard Disk Surfaces Against Stiction” (1999)
- Jenny Tanner (1995), currently assistant professor at U. of Wyoming

#### **Course(s) taught and designed at Saint Louis University**

ES-P450 Engineering Economic Analysis and Project Management (S05)

SE-XX System Design and Modeling (design)

SE-XX Modeling Methods in Systems and Technology (design)

SE-XX Statistical Topics in Simulation and Modeling (design)

**Courses taught and designed at Oklahoma State University**

ENGR 1111 Introduction to Engineering (F96, S97)  
ENGSC 2142 Strength of Materials (S96, F96, F97, S97, S98, F98, S99)  
CIVEN 3113 Intermediate Mechanics of Materials (F95)  
CIVEN 5000 Masters Thesis (F95-S99)  
CIVEN 5020 Civil Engineering Research (S96-S99)  
CIVEN 5403 Advanced Mechanics of Materials (F96, F97)  
CIVEN 5443 Theory of Elastic Stability (S96, S99)  
CIVEN 5463 Structural Reliability and Engineering Judgment (S96, S97, S98)

**Course taught and designed at Princeton University**

WWS589 Methods in Science, Technology and Policy (S95)

**Professional Development Courses Offered**

“Pork ‘n Beans: Fuel for Engineering and Technology Research”

First given at the inaugural Parks College Faculty Seminar Series; Development talk series for alumni, corporation and regional talk series.

**Curriculum Development**

Designed the core curriculum for the School of International Studies, Oklahoma State University

**SERVICE**

American Academy of Mechanics (Member)

American Society of Civil Engineers

Metal Materials Committee (term completed 1999)

Faculty Adviser, Oklahoma State University (term completed 1997)

Faculty Adviser, National Concrete Canoe Competition (term completed 1997)

American Society for Engineering Education (Member)

Engineering Deans Council

Engineering Research Council

American Society of Mechanical Engineers (Fellow)

Adviser, Management Division

Executive Committee, Management Division

Chair, Henry Robinson Towne Lecture Committee

Chair, Management Division (completed in 2005)

1st Vice Chair, Management Division (completed in 2003)

Board Member, Henry Laurence Gantt Medal, (completed in 2003)

Honors and Awards Chair, Management Division (completed in 2003)

Henry R. Worthington Award Committee (completed in 2004)

Program Chair

“The How’s of Small Business Innovation Research”, IMECE 2003

“Government, Industry, University Partnerships”, IMECE 2003

Bethesda Lutheran Church, Chair, Joint Committee on Finance and Property (completed in 2003)

Connecticut Pre-Engineering Program, Mentor, (completed in 2003)  
(The program was honored with Presidential Award in Science, Mathematics and  
Engineering Mentoring Program in 2001.)

Dartmouth College  
District Enrollment Director (Dartmouth Alumni Association of St. Louis)  
Dartmouth Book Award Director (Dartmouth Alumni Association of St. Louis, term  
completed in 2005)  
Dartmouth Asian Pacific American Alumni Association  
Engineering Management Certification International (EMCI)  
Steering Committee Member  
EM Body-of-Knowledge (BoK) Committee Member  
Examiner

Institute for Operations Research and the Management Sciences (Member)  
International Council on Systems Engineering (Member)  
Anti-Terrorism International Working Group  
Information Sciences Working Group  
Inter-modal Transportation and Transit Working Group  
International Mechanical Engineering Conference and Exposition  
Engineering Business Management Track (Reviewer, Session Organizer)  
*Journal of Automobile Engineering* (Reviewer)  
*Journal of Mechanical Engineering Science* (Reviewer)  
*Journal of Process Mechanical Engineering* (Reviewer)  
*Journal of Systems and Control Engineering* (Reviewer)

Missouri Transportation Institute  
Board Member

National Science Foundation Review Panel  
Olin-Bayer-Yale New Haven Science Fair  
Steering Committee (completed in 2003)

Princeton University  
Alumni Schools Committee (Princeton Alumni Association of St. Louis)  
Association of Princeton Graduate Alumni Leadership Assembly (term completed in 2001)

St. Louis Regional Chamber and Growth Association  
Society of Sigma Xi (Member)  
Sigma Xi Science Adviser (term completed in 1995)

Society of Tribologists and Lubrication Engineers  
Seals Technical Committee (term completed 1988)

Washington Internships for Students of Engineering  
WISE Steering Committee (term completed 1998)

Wisconsin, Indiana, Yale, National Optical Astronomy Observatory (WIYN) Consortium, Inc.  
Member, Board of Directors (term completed in 2003)

## **TEXTBOOKS**

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

*Statics Companion: Case Studies, Design, and Retrofit*, in preparation

*Dynamics Companion: Case Studies, Design, and Retrofit*, in preparation

## SCHOLARSHIP

29. "Explicit formulations for advanced green's functions with built-in boundaries" (with G.S. Gipson), *BEM/MRM* 28, 2006 (accepted)
28. "The unit circle trap in boundary elements redux" (with G.S. Gipson), *Engineering Analysis with Boundary Elements*, 2006 (accepted)
27. "Issues in Engineering and Public Policy: A WISE Retrospective" (with B. Hyman), 2006 ASEE Annual Meeting, (accepted)
26. "Random Eigenvalue Problems in Beams" (with J. Hoffman), *Computers, Materials, and Continua*, Tech Science Press, (under review, July 2005)
25. "Motion of Nanoscale Contaminant Particles in Air Bearings" (with R. Polwort and G.S. Gipson), *Computers, Materials, and Continua*, Tech Science Press, (under review, July 2005)
24. "Sizing up Dimensional Analysis – An Overview" (with G.S. Gipson), *The College Mathematics Journal*, American Mathematical Association, (under review, April 2005)
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.
21. "The Unit Circle Trap in Boundary Elements" (with G.S. Gipson), *WIT Transactions on Modelling and Simulation*, 39 (2005) 501-509.
20. "Experimental Design of Railroad Car Derailment and/or Sabotage" Final Report to the Oklahoma Department of Transportation Center and the Oklahoma Department of Transportation, Contract #AA-5-82864, 2004.
19. "So What? Science Fair Ideas" Connecticut Pre-Engineering Program Workshop, 2002.
18. "Partnering to Succeed: Keys to Managing Technology Development, Risk and Globalization" Key Concept Lecture, ASME International Mechanical Engineering Conference and Exposition (IMECE), 2001.
17. "Life Long Learning: An Academic Perspective" ASME IMECE, 2000.
16. "Earthquakes! Earthquake Safety and Building Design" Connecticut Pre-Engineering Program Workshop, 2001.
15. "Out of Plane Settlement of Cylindrical Tanks: API-653 vs. FEM" (with K. Erdmann), *Hydrocarbon Engineering International*, May 1999.
14. "Kindling Undergraduate Interests in Engineering Through Energy and Public Policy," (with Sandra D. Yeigh), *Proceeding of the ASEE*, June 1999.
13. "Stability of Beams Subjected to Thermal Imperfections" (with K. Chan) Center for Sensors and Sensor Technologies, 1999.
12. "Oklahoma Electric Utility Restructuring Model Using System Dynamics" (with N. Najd and J. Maxson) Center for Energy Research, 1999.
11. "Stochastic Simulation of Eccentrically Loaded Columns" (with J. Hoffman), *Proceedings of the 13th U.S. National Congress of Applied Mechanics*, 1998.
10. "Stability of Eccentrically Loaded Structures" Rensselaer Polytechnic Institute, 1998.
9. "Uncertainty Modeling in Structural Stability" (with M. Shinozuka), *Uncertainty Modeling in Finite Element, Fatigue and Stability of Systems*, World Scientific (1997) 215-260.

8. "Logistics Asset Management: Models and Simulations" Final Report to the Air Force Office of Scientific Research, OC-ALC, 1997.
7. "Stochastic Modeling of Imperfections in Beams," *Probabilistic Mechanics & Structural Reliability*, ASCE, (1996) 676-679.
6. "China: Enterprise Reform and Policy Considerations for the Fertilizer Industry" (with P. Glenshaw and A. Hu), *63rd International Fertilizer Industry Association Conference*, Singapore, 1995.
5. "A Cross-County Evaluation of Recycling Efforts in New Jersey" The Working Paper Series (with D. Kammen et al), Center of Domestic and Comparative Policy Studies, The Woodrow Wilson School of Public and International Affairs, Princeton University, 1995.
4. "Beverage Container Options for Princeton University" The Working Paper Series (with D. Kammen et al), Center of Domestic and Comparative Policy Studies, The Woodrow Wilson School of Public and International Affairs, Princeton University, 1994.
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.
2. "Effects of High Temperature on Friction and Lubrication of Single Crystal Silicon and Alumina" (with S. Hsu and D. Lim) NIST-ECUT Report, 1986.
1. "The Ivy Melting Pot: A Progress Report," *Higher Education Abstracts*, 1985.

#### **PERSONAL**

Citizenship                    US  
 Security Clearance:    TS SCI (SBI Completed by DoD)  
 Hometown:                    Arlington, Virginia  
 Married to:                    Sandra DeVries Yeigh

#### **OTHER**

Chief Technical Officer, W&S Systems, LLC