University of Washington, Seattle, Washington, 1992

Area of Specialization: Design and analysis of multirate digital control systems, using on synthesis of low order multirate control laws via numerical optimization, and analysis via structured singular values

M.S. Mechanical Engineering Georgia Institute of Technology, Atlanta, Georgia, 1984 Area of Specialization: Computer Intetend Manufacturing

B.S. Mechanical Engineering Gonzaga University, Spokane, Washington, 1983

Licensed Professional Engine Mashington State, 1989

Work Experience

Professor Mechanical Engineering 993-present Seattle University, Seattle Vashington Department Chair, 2002012

{ Developed the curriculum for the Manufacturing Engineering Program at Seattle University

{ Courses Taught

Manufacturing Automation with Emphasis on Diatal Controls DataAcquisition and Instrumentation ComputerAided Design using Parametric Solid Modeling Engineering Methods/Programming for Engineers Manufacturing Processes Statics Computer Integrating Manufacturing Control System Robotics

{ Research

Engineering Education Controls Systems and Data quisition

Affiliate Associate Professed/niversity of Washington 2002018

Adjunct FacultySeattle Pacific University, Seattle, Washington 1993

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- 11. D •}vU ' v }OEvÁ ooUZU ^ == WOE}POE uup]nvekPitin12ΣNounonendic)al^]u‰o](Ç ' DšZ} • }μOE•_U }u‰μšOE•]v μ š]}v :}JµunOE20007U s}oys//UE}îU

12.

Invited Presentations, Posters and Publications

- 1. Design and created all interactive onlicentent for textbook Introduction Applied Digital Control Starr, Springer Publishing 2020
- 2. Cook, K. E., Han, Y., Shuman, T. R., & Mason, G., Turns, J. Implicit Association-Trest (MATT) g the unconscious mind. NSF RED Workshop, 2019
- 3. ASEE Workshopusing BasysMX3 in a Mechanical Engineering Data Acquisition Course, June 2018.
- 4. Design and created interactive content feebook version of Modern Control System, Sishop and Dorf, Pearson 2017, 2020
- 5. ASEE NSF Workshopsing AEPCL in a Heat Transfer Class, June 2016

6.

- 11. Hewlett Packard Computers in Education Grant, Mason, G., Dragovich, J., \$70,000, 2006.*
- 12. Science and Engineering Bannan Chair, 200056.
- 13. E š]}v o ^] v & }µv š]}v >/U ^Zµuov}U‰dXvUšDp(•}v⊳U O2XvU<u>]v</u>P À}uuµv]š \$103,000, 2001.*
- 14. Bannan Grant for Computer Equipment, \$2,000, 1997.
- 15. Norman Archibald Charitable Foundation Grant, \$10,000, 1995.*
- 16. Seattle University Summer Faculty Fellowship, 1994.
- 17. Finalists Award for Windows Mobile Revet PC and Smartphone Calculator, 2007, by PocketPC Magazine.
- 18. Best Software Award for Windows Mobile Pocket PC Calculator, 2006, by PocketPC Magazine.
- 19. Casio BE300 Best Software Award, \$30,000, 2002.*

Academic Service

- 1. UniversityAcademic ProgramPortfolio Review2020
- 2. College of Science and Engineering Laboratory Safety Committee, 2019.
- 3. Department of Mechanical Engineering nure and Promotion review committee arious.
- 4. APR Scholarship Committee, 2019.
- 5. Sullivan Scholar Selection Committee, 20038.
- 6. Coordinator for Kogakuin University exchange student program,-220114.
- 7. Department ABET and Assessment Coordinator, 2005ent.
- 8. Mechanical Engineering Hiring Committeesarious, 20122014.
- 9. College of Science and Engineering Personnel Comm200ed;2014.
- 10. System Engineering Graduate Program Committee, 2013.
- 11. University Core Assessment Planning Committeenair, 20122013.
- 12. Project Center Coordinator Hiring Committee, 2012.
- 13. Mechanical Engineering Department Chair, 20072.
- 14. Facilities Planning Committee Fall 2010.
- 15. CSSE Four Year Review Committee for Dr. Lirong (Annie) Dai, 2010.
- 16. University of Washington Master, advisor and committee member off Hohn, 20092011.
- 17. CSSE Tenure Review Committee for Dr. Eric Larson, 2009.
- 18. Academic Assembly, representative for College of Science and Engineering 2006.4
- 19. Science and Engineering Curriculum Committee **1200074**.
- 20. ASME Student Section Advisor 1998.
- 21. Acting Department Chair, Mechanical Engineering, summers 1996, 1999.

Professional Service

- 1. ASEE Division of Experimentation and Laboratory Oriented Studies, Division 2014-2016.
- 2. ASEE Division of Experimentation and Laboratory Oriented Studies, Division Cha20 260.14
- 3. ASEE Division of Experimentation and Laboratoring moded Studies, Session Chair, 2620214.
- 4. ASEE Division of Experimentation and Laboratory Oriented Studies, secretary/webmasta02020.10

- 5. Reviewer, Proceedings of the ASEE Annual Conference; IEEE Transactions on Education; ASEE Journal of Engineering Eucation.
- 6. Community serviceExpanding Your Horizons, a program to expose Junior High girls to science and engineering, 1990 997.

Affiliations

- 1. American Society of Engineering Educators
- 2. American Society of Manufacturing Engineers, Senior Member