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## EDUCATION

Doctor of Philosophy; Engineering; The University of Akron; December, 2002,  
"Modeling and Feedback Control of a Tilting Pad Bearing," D. C. Deckler, Ph.D. Dissertation.  
Master of Science; Mechanical Engineering; The University of Akron; May, 1990,  
"Net Impact Dynamics," D. C. Deckler, M. S. Thesis.  
Bachelor of Science; Mechanical Engineering with a Computer Science Option; Ohio Northern Univ.;  
May, 1985.

## PROFESSIONAL EXPERIENCE (all full-time)

### The University of Akron – Akron, Ohio.

Professor of Engineering: September, 2004 to present.

Responsible for teaching undergraduate courses in mechanical, electrical, and civil engineering, advising students and performing research. Current advisor for SAE Formula Combustion and Formula Electric teams. Perform research in active tilting pad bearing technology and deformable robotics.

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Invited by The University of Chile to spend nine months working with Professor Juan Cristobal Zagal to perform research in deformable robotics, octahedron and soft robots, and research in soft sensors.

Interim Dean: July, 2013 to June, 2015

Responsible for developing and managing a \$18 million annual budget, developing and implementing the college's strategic plan, supervising the college's HLC accreditation efforts, fundraising, fostering relationships with community leaders, and managing personnel requests including the hiring of new/replacement faculty and staff positions.

Interim Associate Dean: September, 2012 to June, 2013

Responsible for managing the Office of Academic Affairs at Wayne College. Oversaw curriculum offered at Wayne College and proposed new degree programs and the College's current programs and courses. Directed reaccreditation efforts. Supervised all full-time faculty, the head of the Office of Continuing Education and Workforce Development, and the head of the Library.

### ASME Congressional Fellow

House of Representatives Science and Technology Committee: September, 2007 to August, 2008  
Served as an advisor to the House Science and Technology Committee staff on issues of the economics of climate change, nanotechnology, cybersecurity, health, STEM education, women in science and engineering and engineering globalization. Served as a liaison between this committee and Congressman Gingrey's office. Assisted in organizing hearings, developing questions to ask witnesses and developing opening statements for Congressman Phil Gingrey (GA), the ranking member of the Technology and Innovation subcommittee.

Loral Defense Systems; Akron, Ohio.

Engineer in the Antisubmarine Warfare Group: 1986 -1990.

Lead engineer responsible for the design, fabrication and testing of a new mooring system for the Advanced Sea Mine. Directed the efforts of draftsmen, analysis engineers, electronic technicians, engineering shop personnel. Analyzed underwater mine dynamics and developed computer programs simulating mine motion. Responsible for testing different mooring systems and analyzing the resulting test data.

The Timken Company; Canton, Ohio.

Engineer in the Engineering Services Department 1985 -1986.

Project leader for the parametric design and raster image projects. The raster image project consisted of finding a means to convert paper engineering drawings to electronic raster images and then using data compression to store these images.

PROFESSIONAL ACTIVITIES

Registered Professional Engineer in the state of Ohio, Registration Number 60886.

Member: American Society of Mechanical Engineers (ASME).

Member of the National Board of Government Relations, November 2009 to present.

Chair, Public Policy Subcommittee

Chair, Energy Public Policy Task Force

Member of the Canton Alliance-Massillon section, September 2009 to present.

Chair of the Canton Alliance-Massillon (CAM) section, July 1999 to July 2000.

BOOKS

- Six Minute Solutions for Mechanical PE Exam Thermal and Fluids Systems Problems, Prof. Pub., Inc., 2018.

CHAPTERS IN BOOKS

- "Mechanical Engineering in the FY2015 Budget," in AAAS Report XXXIX R & D FY. 2015

SERVICE

- Advisor for the SAE Formula Combustion team
- Advisor for the SAE Formula Electric team.
- Worked directed a student working on NASA grant for undergraduate research.
- Academic student advisor.
- Volunteer with Habitat for Humanity.

PROFESSIONAL DEVELOPMENT

- I am currently working with two companies on the development of two, new innovative products.
- Formula SAE®, Internal Combustion Engine, Electric and Hybrid Workshop

COURSES TAUGHT

Undergraduate

Control System Design 4600:441	Design of Mech. Comp. 4600:337	Concepts of Des 4600:460
Fund of Mech Vibrations 4600:431	Fluid Mechanics II 4600:311	Dynamics 4600:203
Statics 4300:201	Circuits I 4400:331	Circuits II 4400:232
Intro to Mech of Solids 4300:202	Tools for Engineers 4100:101	Signals and Sys 4400:301
Electric Circuits Lab 4440:340	Prog for Eng 4450:208	Chem Eng Com 4200:121
Elem Classical Physics 3650:291	Physics Compl 3650:29	0.32 s q 53 >>h203