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Thomas R. Johnston, Ph.D.

Professional Profile

Thomas Johnston specializes in the application of Newtonian mechanics to solve complex multibody dynamical systems. His graduate work in mechanical and biomedical engineering emphasized topics in musculoskeletal biomechanics, dynamics, robotics, mechatronics, vibrations, applied machine design, and statistics.

Dr. Johnston has more than six years experience teaching engineering and systemic human physiology courses at the University of California, Davis and was commended for his ability to distill complicated subject matter into easily accessible ideas.

Credentials and Professional Affiliations

Ph.D. (Biomedical Engineering), University of California, Davis, 2012
M.S. (Mechanical Engineering), Tennessee Technological University, 2002
B.S. (Mechanical Engineering), Tennessee Technological University, 1998
Pi Tau Sigma, Mechanical Engineering Honor Society, 1996-2002

GAAN Fellowship, 2002-2003
President, International Student Organization, 1996
Human Powered Submarine Team Member, 1993-1995

Member, A.S.M.E., 1998-2002
Member, I.E.E.E., 2001-2002

Training Seminars

Presenting data and information, taught by Edward Tufte, 2011. The seminar topics included:

- Animation and scientific visualizations
- Evaluating evidence used in presentations
- Credibility of presentations
- Complexity and clarity
- Effective presentations: on paper and in person
- Business, scientific, research, and financial presentations
- Statistical data: tables, graphics, and semi-graphics