

Resume

Daniel James Trudnowski

Education

Ph.D. Electrical Engineering, Montana State University, Bozeman, MT, 1991.

M.S. Electrical Engineering, Montana State University, 1988.

B.S. Engineering Science, Montana Tech, Butte, MT, 1986.

Technical Expertise

Dr. Trudnowski's expertise is in control systems, power system analysis and modeling, and application of signal processing. Within these areas, he has participated in and led funded research and development projects resulting in analysis software, control system designs, laboratory and field prototypes, many publications, one patent, and a 2017 *R&D 100 Award*.

Experience

1995 to Present: Montana Technological University.

Dean of the School of Mines and Engineering (2017-present), Electrical Engineering Department Head (2007-2018), Professor (2003-present), Associate Professor (1998-2003), Assistant Professor, (1995-1998).

1995 to Present: Private Consultant practicing in the electric power industry. Managing Partner, T&D Consulting Engineers, LLC.

1991 to 1995: Battelle, Pacific Northwest National Laboratory, Richland, WA. Senior Research Engineer (1993-95), Research Engineer (1991-93).

1993 to 1995: Washington State University (Tri-Cities Branch Campus), Richland, WA. Adjunct Lecturer, Electrical Engineering Department.

Significant Honors, Activities, and Accomplishments

- 2017 *R&D 100 Award* co-winner for a novel power-system stability controller.
- IEEE Fellow, class of 2010: *for contributions to algorithms for characterizing power-system small-signal stability properties*.
- Active in the IEEE Power & Energy Society (PES).
- Over 100 refereed publications over entire career.
- IEEE PES prize paper awards, 2009, 2013.
- Awarded patent # 20130204557 in 2015 for a new power system monitoring approach.
- Over \$4 million in externally funded research and consulting in the past 10 years.
- Montana Tech awards: "Life-Time Distinguished Researcher Award," 2017; "Grantee of the Decade," 2012; "Distinguished Researcher Award," 2008; "Faculty Achievement Award," 2006, 1997; "Outstanding Achievement Award," 2001.
- "Butte Area Engineer of the Year," 2010.
- Advised 25 graduate students.
- Co-awarded the Battelle "Software Creator Award," 1995.