



Wisconsin Public Utility Institute



**Mitch Bradt**  
**UW-Madison, Dept. of Engineering**  
**Professional Development**

During the two years between receiving his BSEE from Marquette University in 1993 and his MSEE from UW-Madison in 1996, Mitch Bradt was a special research associate at Kyoto University, Japan. In 1996, he joined the Air Force Research Laboratory as a Survivability Research Engineer. He was totally amazed that he actually got paid to blow-up aircraft and generally try to destroy stuff—simply put, this was the coolest job in the world.

In 1998 Mitch transferred to the C-17 System Program Office where he was responsible for the electrical system and navigational databases for that aircraft. And in 2001, after separating from the U.S. Air Force, he joined American Superconductor. As a Commissioning Engineer, he commissioned Static Compensators and Superconducting Magnetic Energy Storage systems installed in Electric Utility transmission substations. He was also responsible for project management and specifying all ancillary substation equipment.

In 2003 Mitch joined Realtime Utility Engineers as a Substation Engineer and later as a Protection and Control Engineer. He designed substation upgrades for transmission and distribution systems, focusing on the design of protective relaying and communication systems. He also worked with transmission interconnection of windfarms.

Mitch has been on the staff of the Department of Engineering Professional Development at the University of Wisconsin-Madison since 2006. His areas of interests are Electric Power Systems, Transmission & Distribution, Protective Relaying, Substation Design, Power Electronics, Windfarms, and Alternative Energy.

Mitch is a registered Professional Engineer in the states of Illinois and Wisconsin. He is a senior member of the Institute of Electrical and Electronic Engineers, was the Technical co-Chair of the IEEE's 2012 and 2014 Transmission & Distribution Conference and Expo, is a past-chair of the Wind Plant Collector System Working Group, and is Past-Chair of the Madison, Wisconsin section.

Mitch was the Air Force Association's Von Karmen fellow in 1994 and a Nakajima Foundation Peace fellow in 1995 and 1996.