

Brian Prokuda, P.E.
Power System Specialist

Education:

- Michigan Technological University, BSEE, November 1988
- Rensselaer Polytechnic Institute, MSEPE, August 1992

Experience:

Keweenaw Power Systems, Inc.: Power Systems Specialist, September 1993 - Present

Oversee power investigations and control design and troubleshooting projects. Develop third party software to work with energy management and power monitoring systems. Specialize in technical development, transient concerns, and power quality seminars. I am also the owner and president of the company.

Prior to founding *Keweenaw Power Systems, Inc.*

- Power Systems Engineer for Electrotek Concepts
- Project / Plant Electrical Engineer for Dow Chemical
- Journeyman Electrician for various electrical contractors

Papers:

"Impact of Small Horse-Power Adjustable-Speed Drives, as a Significant Part of the Plant Load," Presented at the Power Conversion and Intelligent Motion '93 Conference, October 24 - 29, 1993, Irvine, CA.

"Power Quality Site Surveys for Industrial and Commercial Buildings," Presented at the 1994 IEEE-IAS I&CPS Technical Conference, May 1 - May 5, 1994, Irvine, CA.

"Specifying and the Application of Low Voltage Harmonic Filters," Presented at the Power Systems World '95 Conference, September 1995, Long Beach, CA.

"Benefits of Permanently Installed Monitors," Presented at the Power Systems World '99 Conference, September 1995, Chicago, IL.

Activities:

- IEEE IAS Member
- IEEE-519 1994 Working Group, Responsible for writing the monitoring, power factor correction, and harmonic filtering guide lines for the 519 Application Guide.
- IEEE Capacitor Subcommittee member for the writing of the harmonic filter standard.
- Co-author of the EPRI "Semiconductor Power Quality Brochure"
- Co-inventor of continuity clip to prevent static discharge. Dow Chemical holds the patents.
- Registered Professional Engineer, Michigan
- Licensed Journeyman Electrician
- Livingston County Planning Commissioner
- Instrument rated private pilot.
- Commercial Hot Air Balloon pilot
- Competitive Sailor