

# IEEE Power Engineering Society Entity Annual Report 2008

**Entity: Power System Relaying Committee**

**Significant Accomplishments in 2008:** The PSRC continued its functions by holding three well-attended, successful meetings and by supporting presentations of our output documents at PES and other industry meetings.

In January we participated for the first time a joint Technical Committee meeting with several other PES Technical Committees.

Throughout the year we hosted several Subcommittees of the Power Systems Communication Committee and the Substation Committee (Each two meetings). At the PES General Meeting and the T & D Exposition we sponsored more than 60 technical papers. We started a joint Working Group with the Electric Machinery and the T & D Committees to investigate short circuit contributions from wind farms.

These meetings allowed significant interaction between the PSRC and these other groups to share our interest, knowledge, and accomplishments.

**Benefits to Industry and PES Members from our 2008 Work:** These activities keep our industry up to date with technology, improve power system reliability, and help solve the most common protective relaying problems.

The following standards and guides were accepted by the IEEE Standards Board and published:

- Guide for Protective Relay Application to Power Transformers
- Guide for the Application of Current Transformers Used for Protective Relaying Purposes
- Guide for Generator Ground Protection-Cor 1: Phasor Analysis
- Guide for Protective Relay Applications to Distribution Lines
- Guide for the Application of Rogowski Coils used for Protective Relaying

The following standards and guides were reaffirmed:

- Guide for Protective Relaying of Utility-Consumer Interconnections
- Guide for the Protection of Network Transformers
- Standard for N Times 64 Kilobit Per Second Optical Fiber Interfaces Between Teleprotection and Multiplexer Equipment
- Guide for Automatic Reclosing of Line Circuit Breakers for AC Distribution and Transmission Lines

The following Committee Reports were posted on the PSRC web site:

- Performance of Relaying during Wide Area Stressed Conditions
- Processes, Issues, Trends and Quality Control of Relay Settings
- Justifying of Pilot Protection on Transmission Lines
- Summaries of C37.230-2007 and C37.232-2007
- Many Changes to C37.2
- Cold Load Pickup Issues

- **Glossary of Communication Terms**
- **Event Reconstruction Using Data from Protection and Disturbance Recording Intelligent Electronic Devices**

IEC has agreed to reconsider their earlier rejection for joint logo of two PSRC sponsored standards and to consider joint developments.

**Benefits to Volunteer Participants from the 2008 Work:** Approximately 70 Task Forces and Working Groups provide fertile ground for participants to increase their personal knowledge. Their companies enjoy more personal productivity from their employees, and contribute to the standards and practices of our industry.

**Recognition of Outstanding Performance:**

- **IEEE Fellows: Ken Martin, Bogdan Kaztenny and Vahid Madani**
- **Honorary PSRC members: Bob Beckwith, Paul Drum, Bill Lowe and Stan Zocholl**
- **PES Outstanding WG Award for paper, “Coordination of Generator Protection with Generator Excitation Control and Generator Capability”**
- **Career Service Award went to Jim Ingleson**
- **Distinguished Service Award went to Alex Apostolov**
- **Certificates of Appreciation to the following Subcommittee Chairs: Tony Seegers-System Protection and Roger Hedding-Line Protection**
- **Certificates of Appreciation to the following Working Group Chairs: Eric Udren-I5, Mike McDonald-D6, Gary Kobet-D8, Jim Ingleson-I11, Ljubomir Kojovic-I7; Mark Simon-H7; Mike Meisinger-I12; Phil Waudby-D5, and Roger Ray-H14**

**Significant Plans for 2009:** PSRC plans to meet jointly with Selected PES Technical Committees in Atlanta during January. Additional joint meetings are planned throughout the year with the Power Systems Communication Committee, and Subcommittees of the Substations Committee. The PSRC will also present papers and sponsor sessions at the Power Systems Conference and Exposition, plus the PES General Meeting. Additional meeting locations include Pittsburgh PA in May and Arlington TX in September.

Submitted by: **Miriam Sanders (Chair 2009-2010)**

**Date: January 18, 2009**