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SEL Accepts Award for Tech Paper From IEEE

PULLMAN, WA — May 20, 2013 — Schweitzer Engineering Laboratories, Inc. (SEL) is pleased to announce that the technical paper *Detecting Broken Rotor Bars With Zero-Setting Protection* received the 2012 Prize Paper Award for the Power Systems Protection Committee of the IEEE Industry Applications Society.

The paper was presented at the 2012 IEEE/IAS 48th Industrial & Commercial Power Systems (I&CPS) Technical Conference. The authors—Carlos Pezzani, Pablo Donolo, and Guillermo Bossio from the Universidad Nacional De Rio Cuarto and Marcos Donolo, Armando Guzman, and Stanley Zocholl from SEL—introduce the results of a detailed mathematical model of an induction motor with broken rotor bars and describe a protective relay element that detects broken bars in an operating motor. This element does not require settings. It also shows testing results from actual motors with broken bars.

“Electric motors are everywhere. Most of the energy produced in the world ends up at an electric motor. So, we are pleased to learn that our paper on protecting these important assets has been well received by the IEEE,” said Marcos Donolo, lead research engineer at SEL.

Donolo accepted the award on May 3, 2013, at the 2013 I&CPS Technical Conference Awards luncheon in Stone Mountain, Georgia. For the SEL authors, this award has a special significance because it was the last technical paper that they collaborated on with their esteemed colleague, Stanley E. Zocholl, who passed away in August 2012 after a long and distinguished career in electrical engineering.

“We were honored to coauthor the paper with Mr. Zocholl. He was one of the most knowledgeable engineers in motor protection,” said SEL engineer Armando Guzman. “We also enjoyed working with the Applied Electronics Group of University of Rio Cuarto in Argentina.”

Sponsored by the Power Systems Protection Committee of the Industrial & Commercial Power System Department of the IEEE Industry Applications Society, the paper was one of 80 papers sponsored by IEEE committees to be judged for this award.

To read the award-winning paper, visit www.selinc.com/p170.

SEL serves the power industry worldwide through the design, manufacture, supply, and support of products and services for power system protection, monitoring, control, automation, and metering. SEL offers unmatched local technical support, a worldwide, ten-year product warranty, and a commitment to making electric power safer, more reliable, and more economical.

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