

Prof. **SERGIO PANETTA**
Keynote Speaker

PRESENTATION TITLE
**SAFETY AND CONTINUITY OF ELECTRICAL SERVICE
IN ELECTRICAL SYSTEMS**

ABSTRACT

Safety and continuity of electrical service are critical in electrical systems to ensure the proper functioning of homes, facilities, and infrastructure. A safe system prevents damages from fires, short circuits and electrocutions, protecting people and property. Continuity of service ensures that power is always available, preventing outages that can cause economic damage and inconvenience. Grounding systems play a key role, as protection systems, regular maintenance, and compliant design are essential to achieve these results. Investing in reliable and regulatory-compliant state-of-the-art technologies improves the quality of electric service.

SHORT CV

Sergio Panetta is the VP of Engineering at I-Gard Corporation. A graduate of McMaster University (BEng '83, MEng '97) with more than 4 decades of electrical engineering experience in switchgear design, commissioning and troubleshooting, and power system protection and Power system grounding. Sergio continues to actively increase awareness on Electrical Safety on a global front. A senior member of IEEE, member of the IET, and has been awarded Consulting Engineering status with the PEO professional body. Sergio is a member of several industry working groups such as the working group chair of 3003 (Grounding and Bonding which addresses standards like , 3003.1, 3003.2 and Green Book) Sergio is actively dealing with electrical safety and best practices with standards organizations like CSA, IEEE, IEC, and UL, Sergio is the author and owner of several US Patents related to electrical safety. Sergio is currently the I&CPS Chair.

