



**Ottawa
Section**



Technical Seminar Organized by the IEEE Ottawa: Reliability Society Chapter, Power & Energy Society Chapter, Educational Activities Committee, Women in Engineering, Graduates of the Last Decade, Alliance of IEEE Consultant Network, and Dielectrics & Electrical Insulation Society Chapter.

All interested IEEE members and non-members are invited to attend a seminar on:

Smart Distribution Grids Need Smart Protection

by Dr. Alexey Chaly, CEO of Tavrida Electric

When: Friday, October 24, 2008 10:00 AM-12:30 PM (GMT-05:00) Eastern Time (US & Canada).

Where: 1970 Merivale Rd, Ottawa, ON , Hydro Ottawa Lunch Room

Registration: Mandatory, for security reasons, by e-mail to RaedAbdullah@ieee.org by October 22, 2008. Free to members; Non-members: \$5.00 (at the door)
Refreshments and nibbles will be provided. Feel free to pass this information to others that may benefit. Seating is limited.

Abstract: Protecting the distribution grid in a smart and cost-effective way can be a major challenge when faced with the complexity of expanding network topologies. Achieving correct settings for switchgear and fuses is a complex task which may lead to errors in protection coordination with serious consequences. Tavrida Electric presents a recloser system solution for the Smart Grid. A unique software package TELARM has been developed that greatly simplifies the task of coordination. TELARM also includes a highly accurate fault finding algorithm that is not sensitive to the type of the fault. No prior knowledge of specific fault characteristics is required, and there is no need for any special instruments such as expensive digital fault recorders, thus saving the utility high investment costs and time. The presentation includes demonstration of recloser and control.

Presenter: Dr. Alexey Chaly, CEO of Tavrida Electric. Dr. Chaly was born in 1961 in Moscow. He graduated from the Sevastopol Technological Institute in 1983. He first came into contact with R&D of vacuum circuit breakers in 1982 as undergraduate student. In 1986 he pioneered vacuum circuit breakers with magnetic actuator technology. In 1990 he founded the private venture company Tavrida Electric together with a small group of dedicated engineers. He currently is the CEO and Technical Director of the Tavrida Electric Group. In 1996 Dr. Chaly was elected as a member of Permanent International Scientific Committee of the International Symposium on Discharge and Electrical Insulation in Vacuum (ISDEIV). In 1997 he received the degree of Doctor of Science and Engineering from the Russian Academy of Science (for the range of innovative equipment designed for power industry). He is author of more than 50 scientific and engineering papers published in various international conferences and magazines and holds a number of International Patents.