



South Saskatchewan IEEE

Dinner Presentation and AGM

Speaker: Professor Om Malik, President IEEE Canada

“Progression to a Smarter Grid – Past, Present and Future”

DATE: Thursday, November 24, 2011

LOCATION: University Club
215 College West Building
University of Regina

PROGRAM: 7:00pm Registration and Cocktails (Cash Bar)
7:30pm Supper
8:15pm Keynote Address
9:00pm Annual General Meeting

COST: IEEE Students \$10 / Non-IEEE students \$15
IEEE Member \$20 / Non-Members \$30

RSVP by Email: As seating is limited, if you are planning to attend the AGM, please RSVP by email to the South Sask. Section Chair:

Raman.Paranjape@UREGINA.CA

ABSTRACT

Despite “Smart Grid” being the talk of the town these days, there is no precise definition of smart grid. It is a broad concept that overlays the electricity generation, transmission and distribution grid infrastructure with communications and information infrastructure for improved energy management, efficiency and cost control.

“Smart Grid” has become the buzz word for what power systems engineers have been doing for over 125 years, i.e. improvements in power system planning, design, construction and operation by incorporating new enabling technologies as they developed.

A general picture of smart grid with historical and global perspective will be provided in this talk with the view that it is a normal progression of improvements in power systems towards the ever present goal of making the power system smarter.

Speaker Biography



Professor Om P. Malik

Professor Om P. Malik has done pioneering work in the development of adaptive and artificial intelligence based controllers for application in electric power systems over the past 40 years. After extensive testing in the laboratory and in actual power systems, these controllers are now employed on large generating units.

Professor Malik has also done extensive work in the area of power system protection particularly digital and artificial intelligence based protection schemes, generation of electric power from wind, etc. He has published over 700 papers including over 360 papers in international Journals such as IEEE Transactions and IET (formerly IEE) Proceedings. He is the coauthor of one book and published 7 book chapters including 2 in Encyclopedias of Electrical Engineering. His scientific contributions are well known and he has been invited to give plenary talks at a number of international conferences.

Professor Malik graduated in 1952 from Delhi Polytechnic, India. After working for nine years in electric utilities in India, he returned to academia and obtained a Master's Degree from Roorkee University, India in 1962, a Ph.D. from London University and a DIC from the Imperial College, London in 1965.

He was teaching and doing research in Canada from 1966 to 1997 and continues to do research as Professor Emeritus at the University of Calgary, Canada. Over 80, including 43 Ph.D., students have completed their graduate studies under his supervision. His work has led to collaborative research with a number of research groups in various countries. He is an Associate Editor or on the Editorial Advisory Board of 7 international Journals and is listed in 13 Bibliographical Listings, such as Who's Who in the World, Who's Who in America, Men of Achievement, etc.

Om Malik has been doing volunteer work for IEEE at the Section, Council, Region and IEEE corporate level for over 40 years. At present he is Director, IEEE Region 7 and President, IEEE Canada. He is also actively involved in the IEEE Power and Energy Society and has also been actively involved with the International Federation of Automatic Control.

Professor Malik is a Life Fellow of IEEE, and a Fellow of IET, the Engineering Institute of Canada, Canadian Academy of Engineering and World Innovation Foundation. He is a registered Professional Engineer in the Provinces of Alberta and Ontario, Canada, and has received many awards from IEEE, EIC, APPEGA and the University of Calgary.