

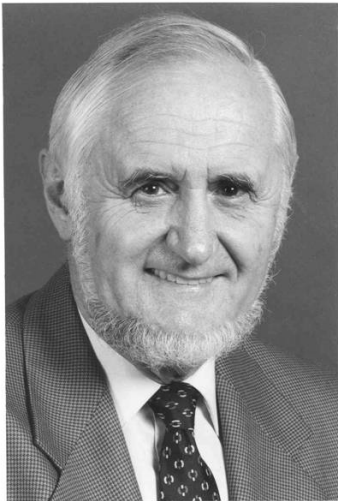


IEEE Queensland Section presents AGM Dinner Lecture for 2008

Speaker: EM. PROF. MAT DARVENIZA, Principal Executive Officer, Lightning & Transient Protection Pty. Ltd., and Director, ENERGEX.

Title: MODERN THUNDERSTORM NOW-CASTING

Abstract: After a brief review of earlier methods for fore-casting thunderstorms and lightning, descriptions are given of the use of modern digital radar and lightning location systems to provide real-time information about the occurrence and progress of thunderstorms and the resulting lightning flashes to ground. The recent major advance in now-casting is the development of the Bureau of Meteorology's Storm Tracker. Several thunderstorms in south-east Queensland are used to illustrate the now-casting techniques and their application.



Biography: Mat Darveniza is now Emeritus Professor of the University of Queensland, Principal Executive Officer of Lightning and Transient Protection Pty. Ltd., and a Director of ENERGEX. After many years of University work on electrical engineering education, high voltage technology and lightning protection, his present research interests are on the reliability of power systems, with particular reference to distribution network faults/outages/interruptions caused by thunder-storms and wind-storms.