

Neville Watson:

### **Development of Power Quality Guidelines for New Zealand**

New Zealand distribution companies have been increasingly experiencing power quality problems due to the changing nature of the loading. As a result the Electricity Engineers' Association, which represents the electricity supply industry, in conjunction with the New Zealand Government, funded a 3-year project to develop Power Quality (PQ) Guidelines for New Zealand. Being a small island country, with a relatively weak system, research was required into the most appropriate PQ limits. Straight adoption of international standards was not seen as appropriate without ensuring they were suitable for the New Zealand environment. This seminar will outline the framework and procedure used for this project and give snippets of some of the results obtained.