

Keynote: Professor Richard Harris

Title: 5G for Rural and Remote communities Communications?

Abstract: The rural areas in NZ (and elsewhere) require wireless connectivity but without excessive investment in network infrastructure. Topics such as autonomous D2D communication and distributed discovery can serve this purpose very well. The invited talk proposed in this workshop will set the stage for discussing rural connectivity issues. It is expected that the discussion after the workshop will give participants an opportunity to comment not only on the presented research papers, but also on the relevance of D2D communication and associated areas to New Zealand.

Bio: RICHARD HARRIS graduated with a B.Sc.(Hons) from the University of Adelaide in 1971 and this was followed by a Ph.D. (in the area of optimal design of telephone networks) under the supervision of Professor R.B. Potts in 1974. Upon completion of his thesis, he joined the Headquarters Traffic Engineering Section of the Australian Post Office. He became deputy head of the Network Analysis Section in the Switched Networks Research Branch of Telecom Research Labs in 1987. In April 1989, he took up an appointment with Bond University as an Associate Professor in the School of Information and Computing Sciences and was Deputy Director of the Centre for Telecommunication Network Research. He moved to RMIT in early 1993 as Director of the Centre for Advanced Technology in Telecommunications (CATT) and Professor of Communication Systems. He is currently retired but retaining an active interest in teletraffic engineering, communication switching, Internet engineering and conducting personal research in a variety of topics including rural network design and optimisation, network traffic management and network performance.