

New Zealand Central and North/South Chapters

Activity Report 2010/2011

New Zealand Chapters

- 3 NZ IEEE Sections: North, Central, South
- Prior to the establishment of NZ Central Section, IEEE Joint NZ North/South ComSoc chapter covered all of NZ
- New NZ Central Joint Chapter on Communications, Signal Processing and Information Theory
 - Mostly represented by Victoria University of Wellington and Massey University. There is also some industry support.
 - New Chair for 2011: Dr. Paul Teal, Victoria University of Wellington
- Maintain excellent working relationship and continue to organise nationwide events

NZ Wireless Workshop

- Informal workshop
- 27 Aug 2010: held at Industrial Research Limited, Lower Hutt
 - Over 120 attendees
 - 30 technical talks from students, academia, industry and government regulators
- 26 Aug 2011: to be held at the University of Canterbury

2010 Technical Meetings NZ Central

- May 2010: Professor Bastiaan Kleijn
 - *Recent Developments in Source Coding*
- August 2010: Professor Heather Hudson
(IEEE ComSoc DL, co-sponsored)
 - *Broadband Provisioning to Rural Areas*
- October 2010: Dr Murray Milner
 - *The effects of ultra-fast broadband on New Zealand's network transport*

2011 Technical Meetings

NZ Central

- ▶ February 2011: Dr Mark Poletti
 - *Spatial Sound Reproduction Systems Using Higher Order Loudspeakers*
- ▶ February 2011: Dr Terence Betlehem
 - *A Constrained Approach for Multi-zone Surround Sound*
- ▶ March 2011: Sudhir Singh
 - *A Semidefinite Relaxation Method For MIMO Detection of High-Order Non-Square QAM Constellations*
- ▶ 2012 Planned: Technical Sponsorship of Australian Communications Theory Workshop in Wellington.