Notice of Annual General Meeting 2014

When: Thursday, 27 November 2014, commencing at 5:30pm for networking.

Where: Intercontinental Hotel located at 2 Grey St, Wellington, 6011.

Guest Speakers: (More details below, talks to begin at 6pm)

- Dr Mansoor Shafi
- Professor Mengjie Zhang
- Dr Murray Milner

Section AGM: Commencing at 7:15pm.

Agenda

1. Welcome
2. Apologies
3. Minutes of the 2013 AGM
   a. Matters arising
4. Chair's Report for 2014
5. Treasurer's Report for 2014
6. Auditor Resolution
7. Election of Officers for 2015
   a. Chair
   b. Vice Chair
   c. Secretary
   d. Treasurer
   e. Directors
      i. Membership Development
      ii. Women in Engineering
      iii. Awards Coordination
      iv. Industry Coordination
      v. Student Activities Coordination
   f. Co-opted Positions
      i. Webmaster
      ii. Others
   g. Committee members
8. Other Business
9. End of formal agenda

Chapter AGM: Commencing at the conclusion of the Section AGM.

Agenda for 2014 AGM of the IEEE NZ Joint Chapter on Signal Processing & Information Theory

1. Welcome by Chair

2. Apologies

3. Acceptance of the minutes of the previous AGM meeting

4. 2014 annual report from Chair

5. Matters arising from the report

6. Financial report from Secretary Xiang Gui

7. Election of Officers

8. Additional points of interest

Guest Speaker Presentations

We have three guest speakers for our Section AGM, titles and brief details about the talks and presenters are given below:

1. What is 5G?

5G aims to deliver extremely large data rates and will dramatically improve end user experience. This talk describes the requirements of 5G (even though there is no agreed standardised story), and what technological breakthroughs are required to meet the 5G requirements.

Brief Bio

Dr Mansoor Shafi is currently the Chair of the IEEE New Zealand Central Section. He recently received the Insignia of a Member of the New Zealand Order of Merit for services to wireless communication technologies. He works in Telecom New Zealand where his present role is to provide leadership in wireless activities. He started his career in the New Zealand Post Office in 1979 as a radio engineer. In the late eighties, the telecommunications part of the Post Office became Telecom New Zealand. He has held various roles in Telecom that involve looking at future directions and technology strategy. Throughout his professional career, he has also been actively involved in academic activities i.e. co-supervising graduate students, taking visiting academic / research appointments etc. He has also had a very active role in the shaping of world telecommunications standards for wireless communications via participation in the ITU.

Research Interests include:

- Radio Propagation Models
- Information theoretic and practical aspects of MIMO Systems
- Intelligent receiver architectures, adaptive antennas
- Wireless communications systems
- Modulation, channel estimation and equalisation
- Traffic models for wireless systems.

2. Evolutionary Computation and Vision Applications

Professor Mengjie Zhang will give a brief presentation on the impact of Evolutionary Computation upon various vision applications.

Brief Bio

Professor Megjie Zhang is Professor of Computer Science at Victoria University of Wellington and is the Head of the Evolutionary Computation Research Group and a member of the Artificial Intelligence Group.

His research is currently focused upon

- Evolutionary Computation especially Genetic Programming and Particle Swarm Optimisation,
- Intelligent and Evolutionary Computer Vision, and

- Data Mining and Machine learning.

3. Advanced Healthcare Provision through Innovative ICT Solutions
Dr Milner in his role as Chair of the National Health IT Board will provide an update on recent developments in advanced healthcare delivery enabled by ICT solutions including:
- Where are we seeing significant improvement in efficiencies and outcomes?
- Improving healthcare outcomes and cost improvements through utilisation of data
- Strategies to allows a patient's primary health record to be transferred electronically
- Introduction of secure electronic self-care patient portals

Brief Bio

Dr Milner has spent over 40 years in the ICT industry. He is widely recognised within his profession for his leadership in ICT development in New Zealand and overseas. After spending much of his career with Telecom New Zealand, Dr Milner now runs a busy consulting practice in New Zealand and works extensively with central government, local government and enterprises on ICT strategy, economics and infrastructure development. He is currently Chair of the National Health IT Board and a member of the National Health Board and is also working with emergency services within New Zealand to help improve their ability to successfully use advanced ICT, even under severely adverse conditions. He is also a Director of Crown Fibre Holdings, Enable Networks Limited and Chair of Harmonic Analytics Limited.