

## **IEEE Section 10 Chairs report, 2015.**

Welcome to our AGM. The year has gone remarkably quickly. It is time to present to you my report.

Firstly I would like to start my report by thanking all the office bearers, the committee members who are all immensely dedicated and have made significant contributions to the smooth and very productive functioning of our section.

Below are highlights of our achievements and activities during the year.

We have by and large regularly met once per month via Skype on a Tuesday afternoon.

### **R 10 meeting**

Terrence Bethlehem attended the R 10 meeting in March in Dhaka Bangladesh, representing the NZ Central Section.

At the R10 meeting, summaries of upcoming conferences were provided.

An issue of relevance to the Section was that of membership retention and student membership growth, which both have scope for improvement.

### **Distinguished Lecturers and other technical meetings**

During the year we were fortunate to have visits of various distinguished lecturers, and other technical sessions, listed below:.

More information on these will be supplied by the Chapter chairs

- Dr Koyama
- Dr K C Tan
- Dr Ying Dar Lin
- Dr Ken Sugiyama

Gettng DL's to visit us here is an ongoing issue. We should be keeping an eye on conferences in the region and make use of the opportunity to invite DL's to visit NZ

### **Post graduate students presentation**

A very successful event. 20 October, 30 presentations from postgraduate students at Massey and Victoria campuses. Hosted this year by Massey University.

### **Membership - no progress to report**

We are among the lowest in R10 in terms of membership numbers and student recruitment. Need to consider how to get more involvement from students. This is an ongoing issue and an area for us to work upon in the New Year.

## Chapter News

### CIS

- "Medical Data Mining and Innovative Applications", presented by Prof Yanchun Zhang on 16 September,
- "Introduction to Evolutionary Multi-objective Optimisation", presented by Dr Yi Mei and Dr Bing Xue on 15 September.

"Recent Results and Open Problems in Evolutionary Multiobjective Optimization", presented by Prof Carlos Coello Coello, IEEE Distinguished Lecturer, 4 September

"An Introduction to Computational Intelligence" presented by Kay Chen Tan, IEEE Distinguished Lecturer, 4 June

### SP/IT

"Sound field recording and reproduction and its extension to super-resolution", presented by Dr Koyama, 17 April

Prof Ken Sugiyama, IEEE Distinguished Lecturer.

### PES

Chapter chair to report

### I and M

Chapter chair to report

### Communications

**"Research Roadmap Driven by Network Benchmarking Lab (NBL): Deep Packet Inspection, Traffic Forensics, WLAN/LTE, Embedded Benchmarking, Software Defined Networking, and Beyond"** presented by Dr Ying Dar Lin, IEEE Distinguished Lecturer, 20 August

### News of Conferences & Workshops

ICARA Conference – 17-19 February 2015 in Queenstown. (Technical sponsor)

FPT Conference – 7-9 December 2015, in Queenstown (Technical co-sponsor)

ICST Conference – 8-10 December 2015 in Auckland (Technical co-sponsor)

### Industry Breakfast

10 September David Havercroft, CTO spark gave an excellent presentation on Disruption.

'Disruption' – it's a buzz word used by many to explain the role disruptive technologies and innovations play in shaking up existing markets and industries in new and unexpected ways. But is there a human side to disruption? Absolutely. In addition to unpacking the role disruptive technology continues to play in one of the fastest changing industries in our world today – telecommunications - this talk will also explore ideas surrounding disruptive consumer behaviour and its role in initiating and driving change within major industries

The meeting was jointly organised with IPENZ and IET, and was attended by approximately 50 members and guests of the three institutions.

## WIE activity

We received funding to have an event that was to involve reaching out to local college girl schools and encourage them to take Engineering in their university studies. This event was planned in Sep/Oct but after further talking to other organisations and consulted the schools, it turns out such events should usually be at the beginning of the trimester when girls are making their subject decisions.

## Young Professional activity and award

Sudhir attended the young professionals congress meeting in Sri Lanka in July. His visit was mostly funded by the section . A proposal on any follow up activity as a result of this attendance is expected.

## Wellington Engineering Festival

4 August, Dr. Michael Donn and Dr. Fabriccio Chicca on the topic of "The Architect's Dream"

Tuesday 3 November, held at Travelodge Hotel, Wellington, Prof Subhas Mukhopdhyay and Prof Hans Guesgen on the topic of "**Wireless Sensor Nodes, Smart Homes and Intelligent Buildings: From sensors to computing**"

## Other News

Professor Peter Smith has joined the department of statistics at Victoria university. Peter has also been elevated to becoming an IEEE Fellow. Welcome peter and congratulations.

Outstanding Volunteer award to Dr Murray Milner. Congratulations Murray on your fundamental contributions to the section and a well deserved award.

I would like to take the opportunity to wish you all and your families a very Merry Christmas, a joyful holiday season.