

# New South Wales Section Report

## PART A - SECTION SUMMARY

### A.1 Executive Summary

- Section Executive Committee Member List 2013
  - Eddie Fong - Section Chair
  - Antony Zaglas - Section V. Chair
  - Mark O'Mally - Section Treasurer
  - John Ypsilantis - Section Secretary
  - David Tien - Past Section Chair
  - Ass. Secretary - Dushmantha Thalakatuna
- Section Executive Committee Member List 2014
  - David Tien - Section Chair
  - Karu Esselle - Section Vice Chair
  - John Ypsilantis - Section Secretary
  - William Sloman - Section Treasurer
  - Eddie Fong - Past Section Chair
  - Ass. Secretary - Dushmantha Thalakatuna
- Section Highlights
  - Formation of SMC Chapter
  - TISP Workshop
  - IEEE Family Day
  - Migration of the IEEE NSW Webpage from <http://ewh.ieee.org/r10/nsw/> to <http://sites.ieee.org/nsw/>
- Major Events (International, National)
  - IEEE TENCON SPRING 2013 Conference from 17 to 19 April 2013
  - NSW Section AGM and Annual Dinner
  - Family Day Picnic and BBQ
- Major Chapter Activities (Karu Esselle, David Tien, Jinhong Yuan, Jeff Armistead, Jun Shen, Graham Town, Joe Zhu, Trevor Blackburn, Lyria Bennett Moses, Sildomar Monteiro/Simitkumar Raval)
  - Section, Chapter and Affinity Group Meetings have been reported using the vTools Reporting System
- Major Student and Affinity Group Activities
 

IEEE Macquarie University Student Branch has won First place in IEEE Australia Council - Outstanding Student Branch Award.
- Awards
  - Due to the bringing forward of deadline to 31 August 2013 for the R10 OVA no nomination was made

### A.2 Financial Report – (Mark O'Mally)

- Please see the submitted L50

## PART B - ORGANIZATIONAL ACTIVITIES

### B.1 Membership Development Activities (Bruce Poon)

- Total number of active members in the past 3 years.

- a) 31 Dec 11      2,551 + 130 ( Affiliates )
- b) 31 Dec 12      2,705 + 114 ( Affiliates )
- c) 31 Dec 13      2,816 + 110 ( Affiliates )

- Summary and evidence of work done to improve the value of membership, which leads to retention and growth of members
- a) Arranged Technical Meetings ( Joint Meetings IEEE, IET & EA )  
[Refer to Joint Meetings for 2013]  
- To enhance members' knowledge on technology & applications in the real world.
  - b) To sponsor, support & participate in the International Conference on Information Technology and Application being held in Sydney in Jul 2013.
  - c) To hold the IEEE TENCON SPRING 2013 Conference from 17 to 19 April 2013  
[ Parts a), b) and c) above may be included in section B.3 ]
  - d) Provided Free student membership for 2013.  
- To prepare & promote free student membership for 2014.
  - e) Participated and sponsored the IEEE Technologies of the Future (iToF) 2013 Competition and Exhibition being held in University of NSW in 6 Nov 2013.
  - f) Sponsored the papers competition in the 2013 Graduate School of Engineering & Information Technologies Student Conference being held in Sydney University on 1 Oct 2013.
  - g) Supported and sponsored student branches ( Macquarie University, Sydney University & UNSW ) activities including weekly / monthly student papers presentation, guest speakers technical talks, site visits and to participate Orientation Days & Career Days to promote IEEE  
  
[ Parts d), e), f) and g) above may be included in section B.4 ]
  - h) Formation of new Systems, Man & Cybernetics Chapter in Aug 2014.  
[ h) may be included in Section B.2 ]

## B.2 Chapter Activities

- Total number of Chapters in the Section – Ten(10)
  - Number of Chapters formed in the current year – One(1)
  - Number of Active Chapters (Chapters who have reported required number of meetings during the year) – Ten(10)
- Summary of Chapter activities chapter wise with attachment table / information

<b>NEW SOUTH WALES SECTION</b>	
<u>IEEE NSW Section February 2013 Committee Meeting - NEW SOUTH WALES SECTION</u>	04-February-2013
<u>IEEE NSW Section March 2013 Committee Meeting - NEW SOUTH WALES SECTION</u>	04-March-2013
<u>IEEE NSW Section April 2013 Committee Meeting - NEW SOUTH WALES SECTION</u>	08-April-2013
<u>IEEE NSW Section May 2013 Committee Meeting - NEW SOUTH WALES SECTION</u>	06-May-2013
<u>IEEE NSW Section June 2013 Committee Meeting - NEW SOUTH WALES SECTION</u>	03-June-2013
<u>IEEE NSW Section July 2013 Committee Meeting - NEW SOUTH WALES SECTION</u>	15-July-2013
<u>IEEE NSW Section September 2013 Committee Meeting - NEW SOUTH WALES SECTION</u>	02-September-2013
<u>IEEE NSW Section October 2013 Committee Meeting - NEW SOUTH WALES SECTION</u>	14-October-2013
<u>IEEE NSW Section November 2013 Committee Meeting - NEW SOUTH WALES SECTION</u>	04-November-2013
<u>IEEE NSW Section AGM 2013 - NEW SOUTH WALES SECTION</u>	22-November-2013
<u>IEEE NSW Section Annual Dinner - NEW SOUTH WALES SECTION</u>	22-November-

	2013
<b>AP/03/MTT17</b>	
<u>TENCON Spring 2013-Day 1 - NEW SOUTH WALES AP03/MTT17 CHAPTER</u>	17-April-2013
<u>Computer Simulation Technology (CST) Workshop - NEW SOUTH WALES AP03/MTT17 CHAPTER</u>	13-May-2013
<u>Fundamentals on Vector Network Analyser - NEW SOUTH WALES AP03/MTT17 CHAPTER</u>	06-August-2013
<u>Fundamentals of Spectrum and Signal Analysis - NEW SOUTH WALES AP03/MTT17 CHAPTER</u>	07-August-2013
<u>Fundamentals of Impedance Analysis and Material Measurements - NEW SOUTH WALES AP03/MTT17 CHAPTER</u>	08-August-2013
<u>Antennas for Body-Centric Wireless Communications - NEW SOUTH WALES AP03/MTT17 CHAPTER</u>	20-September-2013
<u>Circuit to System Level Practical Microwave Education - NEW SOUTH WALES AP03/MTT17 CHAPTER</u>	20-September-2013
<u>IEEE Workshop in Sensing and Radio Frequency Identification (RFID) - NEW SOUTH WALES AP03/MTT17 CHAPTER</u>	18-November-2013
<u>Sensing of the Physical Qualities of Fruits - NEW SOUTH WALES AP03/MTT17 CHAPTER</u>	18-November-2013
<u>Towards Greener Smart Phones with Microwave Measurements - NEW SOUTH WALES AP03/MTT17 CHAPTER</u>	03-December-2013
<b>COMPUTER C16</b>	
<u>Quantum Computing with Single Atoms in Silicon - NEW SOUTH WALES C16 CHAPTER</u>	09-May-2013
<u>ICITA 2013-Day 1 - NEW SOUTH WALES C16 CHAPTER</u>	01-July-2013
<u>ICITA 2013-Day 2 - NEW SOUTH WALES C16 CHAPTER</u>	02-July-2013
<u>ICITA 2013-Day 3 - NEW SOUTH WALES C16 CHAPTER</u>	03-July-2013
<u>ICITA 2013-Day 4 - NEW SOUTH WALES C16 CHAPTER</u>	04-July-2013
<b>SP01/COM19/OE22</b>	
<u>TENCON Spring 2013-Day 1 - NEW SOUTH WALES SP01/COM19/OE22 CHAPTER</u>	17-April-2013
<u>TENCON Spring 2013-Day 2 - NEW SOUTH WALES SP01/COM19/OE22 CHAPTER</u>	18-April-2013
<u>TENCON Spring 2013-Day 3 - NEW SOUTH WALES SP01/COM19/OE22 CHAPTER</u>	19-April-2013
<u>Marine Science &amp; Ocean Systems Engineering Lectures - NEW SOUTH WALES SP01/COM19/OE22 CHAPTER</u>	08-August-2013
<u>NSW SP/COM/OES Chapter Committee Meeting - NEW SOUTH WALES SP01/COM19/OE22 CHAPTER</u>	08-August-2013
<u>Marine Science &amp; Ocean Systems Engineering Lectures - NEW SOUTH WALES SP01/COM19/OE22 CHAPTER</u>	28-November-2013
<u>SP/COM/OES Chapter Meeting - NEW SOUTH WALES SP01/COM19/OE22 CHAPTER</u>	28-November-2013
<b>EDUCATION E25</b>	
<u>Threshold Concept Theory: Things Every Course Designer Should Know and Use - NEW SOUTH WALES E25 CHAPTER</u>	25-January-2013
<u>Sydney Harbour Bridge Pylon Tour - NEW SOUTH WALES E25 CHAPTER</u>	06-August-2013
<b>EMBS EMB18</b>	
<u>TENCON Spring 2013-Day 1 - NEW SOUTH WALES EMB18 CHAPTER</u>	17-April-2013
<u>E-HEALTH AND M-HEALTH SHOWCASE AND ROUNDTABLE - NEW SOUTH WALES EMB18 CHAPTER</u>	06-November-2013
<u>Field-based Nutritional Ecology: Challenges and future perspectives - NEW SOUTH WALES EMB18 CHAPTER</u>	14-November-2013
<u>FLOURISHING: FROM SCIENCE TO POLICY - NEW SOUTH WALES EMB18 CHAPTER</u>	19-November-2013

<b>CAS04/PHO36/SSC37/ED15</b>	
<u>Measuring Face Familiarity and its Application to Face Recognition - NEW SOUTH WALES CAS04/PHO36/SSC3</u>	14-March-2013
<u>TENCON Spring 2013-Day 1 - NEW SOUTH WALES CAS04/PHO36/SSC37/ED15 CHAPTER</u>	17-April-2013
<u>Engineering in the Era of the Personal Genome Sequence. - NEW SOUTH WALES CAS04/PHO36/SSC37/ED15 CHAP</u>	06-August-2013
<u>Algorithm and Architecture Co-Design for Fast Motion Estimation Video - NEW SOUTH WALES CAS04/PHO36/S</u>	12-September-2013
<u>Photonics/CAS/SSC/ED NSW Joint Chapter AGM - NEW SOUTH WALES CAS04/PHO36/SSC37/ED15 CHAPTER</u>	22-November-2013
<b>IE13/IA34/PEL35</b>	
<u>TENCON Spring 2013-Day 1 - NEW SOUTH WALES IE13/IA34/PEL35 CHAPTER</u>	17-April-2013
<u>TENCON Spring 2013-Day 2 - NEW SOUTH WALES IE13/IA34/PEL35 CHAPTER</u>	18-April-2013
<u>The Prospects for a Nuclear Fusion Powered Future - NEW SOUTH WALES IE13/IA34/PEL35 CHAPTER</u>	27-June-2013
<u>TENCON Spring 2013-Day 3 - NEW SOUTH WALES IE13/IA34/PEL35 CHAPTER</u>	19-April-2013
<b>POWER &amp; ENERGY PE31</b>	
<u>TENCON Spring 2013-Day 1 - NEW SOUTH WALES PE31 CHAPTER</u>	17-April-2013
<u>TENCON Spring 2013-Day 2 Keynote - NEW SOUTH WALES PE31 CHAPTER</u>	18-April-2013
<u>TENCON Spring 2013-Day 2 - NEW SOUTH WALES PE31 CHAPTER</u>	18-April-2013
<u>TENCON Spring 2013-Day 3 - NEW SOUTH WALES PE31 CHAPTER</u>	19-April-2013
<u>NSW PES Lecture - Increasing Network Capability Through a Review of Asset Ratings - NEW SOUTH WALES PE31</u>	14-November-2013
<u>NSW PES AGM 2013 - NEW SOUTH WALES PE31 CHAPTER</u>	22-November-2013
<b>LIFE</b>	
<u>IEEE NSW Section Life Members Affinity Group AGM 2013 - NEW SOUTH WALES LIFE MEMBER AFFINITY GROUP</u>	22-November-2013
<u>IEEE NSW Section Life Members Affinity Group Meeting - NEW SOUTH WALES LIFE MEMBER AFFINITY GROUP</u>	15-December-2013
<b>GOLD</b>	
<u>IEEE NSW Section/GOLD/LM Family Day BBQ/Picnic - NEW SOUTH WALES GOLD AFFINITY GROUP</u>	15-December-2013
<u>IEEE Gold planing for 2014 - NEW SOUTH WALES GOLD AFFINITY GROUP</u>	16-December-2013
<u>Catch up with members - NEW SOUTH WALES GOLD AFFINITY GROUP</u>	28-December-2013
<b>WIE</b>	
<u>IEEE NSW WIE Meeting - NEW SOUTH WALES WOMEN IN ENGINEERING AFFINITY GROUP</u>	17-April-2013
<u>IEEE WIE Meeting at UNSW Open Day - NEW SOUTH WALES WOMEN IN ENGINEERING AFFINITY GROUP</u>	07-September-2013
<u>IEEE WIE Meeting at UNSW - NEW SOUTH WALES WOMEN IN ENGINEERING AFFINITY GROUP</u>	04-December-2013

### B.3 Professional and Continuing Education Activities

- The Section ran the inaugural R10 TENCON Spring 2013 Conference.
- Chapters ran various workshops
- There were several DL visits during 2013
- Technical Sponsorship of ICIEA 2013 Melbourne
- Participation and Financial Sponsorship of ICC 2014
- Participation in ICUWB 2013
- Organization and Sponsorship of ICITA 2013
- Ran Joint Lecture Program with Engineers Australia, and IET. Also co-operation with ACS-TSA.
- Meeting Reports Submitted using vTools.

### B.4 Students Activities (Bruce Poon and Ali Hellany)

- NSW Section sponsored UNSW Student Branch Chair Yogita Chapre's attendance to R10 GOLD/Student/WIE Congress in Hyderabad India
- Total number of Student branches in the Section = 7
- Section level student activities (student congress, paper and other contests, awards etc) Refer to d), e), f) & g) in section B.1
- Number of Active Student branches (Student branches who have reported required number of meetings during the year)  
3 ( UNSW, Macquarie University and Sydney University )  
[ Reactivation is in progress for University of Wollongong. ]
- Summary of Student branch activities student branch wise with attachment table / information Refer to student branch reports

### B.5 Affinity Group Activities

- Section B5 - NSW Section Sponsored GOLD Chair Balakrishna Sarma's attendance to R10 GOLD/Student/WIE Congress in Hyderabad India
- GOLD (Balakrishna Sarma)
- WIE (Rodica Ramer)

Chapter	Admin	Technical	Total	Remarks
AP03/MTT17		10	10	
Computer C16		5	5	
SP01/COM19/OE22	2	5	7	
Education E25		2	2	
IE13/IA34/PEL35		4	4	
EMBS EMB18		4	4	
PES PE31	1	5	6	
CAS04/PHO36/SSC37/ED15	1	4	5	
SIT30		1	1	See VIC Section Report
GRS29				See ACT Section Report
SMC28				Formed 2013

- Life Member (Sam Reisenfeld)

Group	Administrative	Technical			Total	Remarks
		Meetings	Professional	Social		
GOLD	1	1		1	3	
LIFE	2				2	
WIE	1		2		3	

### **B.6 Awards & Recognition Activities (Graeme Gwilliam)**

- Award constituted by the section  
0
- Award(s) received from R10  
0(Due to the earlier closing of Nominations)
- Award(s) received from IEEE HQ  
0

### **B.7 Communication Activities (John Aitken/Antony Zaglas/Mahmoud Elkador/Bruce Poon)**

- There were three(3) issues of the NSW Section Newsletter CIRCUIT. Copies can be downloaded from <http://sites.ieee.org/nsw/newsletters/>
- Home Page of the section (give the URL and frequency which it is updated)  
URL : <http://sites.ieee.org/nsw/> [migrated from <http://ewh.ieee.org/r10/nsw/> in Dec 2013]; Updated frequently and upon request. Frequency of update is around 1 to 2 months.
- Other means of contacts with section members  
IEEE eNotice Service is used for major Section, Chapter, Affinity and other events

### **B.8 Community Activities (ALL)**

### **B.9 Other Organizational Activities (ALL)**

## **PART C - OTHERS (ALL)**

### **C.1 Relationship with National Societies**

- a) Joint technical talks with EA, IET and ACS-TSA.
- b) Discounts to/from Associated Institutions to Conferences, Workshops and other relevant functions

### **C.2 Special Events**

- a) Participated in the yearly Engineering week held by EA in Sydney in Aug to promote IEEE. Section Officers and Members were involved in several site tours acting as hosts or Guides

### **C.3 Problems to be Anticipated**

- Due to the high Australian Dollar the rebate received from HQ was reduced and whilst there is no short term problem the Income/Expense situation must be closely monitored. There is always difficulty in getting sufficient volunteers for Officer Positions especially those that involve higher workload.
- The question of Volunteer and Section/Officer Legal Liability needs to be addressed by Australia Council, R10 and MGA. Insurance and Status Provided for Business and other Operations need to be Confirmed by Australia Council, R10 and MGA.

### **C.4 Best Practices of your section (which you would like share with other sections for the benefits of members)**

## **PART D - GOALS AND PLANS (ALL)**

### **D.1 Continuation of Project/Activity in Progress and Their Implementation Plans**

NSW Section and SP/COM/OE Joint Chapter are involved in ICC 2014.

NSW PES Chapter is involved in Down to Earth 2014 Conference in Perth

### **D.2 Goals and Future Plans**

- Regulate conference activities
- Communication with members via monthly BBQ and individual meetings.
- Further work on improving the IEEE NSW section Website
- Improvement of Industry Relation wrt placing Graduates in Industry
- Formation of a DEIS Chapter
- Formation of a Consumer Electronics Chapter
- Participation in DEIS 2015
- Participation in PEDS 2015