



The Institute of Electrical and Electronics Engineers, Inc.

Secretariat:

AUSTRALIAN PROFESSIONAL CENTRE
PO Box 576
CROWS NEST NSW 1585
Tel: 61 2 94318600 Fax: 61 2 94318677
Web page: <http://ewh.ieee.org/r10/nsw>

IEEE NEW SOUTH WALES SECTION
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Editor: Eddie Fong
Email: eddiefong@ieee.org

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1. Message from the Chair

Editorial

I have always believed that we need to enhance the benefits that we can offer to IEEE NSW members. The NSW Section Committee has recently agreed to explore various benefits and one of them is Corporate Travel for our members.

I am pleased to share the latest good news - Donna Barlow Corporate Travel (DBT) will now be able to offer corporate travel and travel insurance services to IEEE members. Finally, we as individuals can now enjoy corporate travel services in planning our regional and overseas trips by letting DBT take care of our travel. You can find their details in this issue of Circuit and how to make use of their service. We will release other benefits as they become available

I have also suggested that IEEE member benefits for Regions 1 to 6 will also be made available to Regions 7 to 10. This was raised in the 2008 Section Congress held in Quebec City, Canada and was selected and will be presented to the IEEE Board of Directors for consideration as one of the 10 consolidated recommendations from all the Regions for IEEE to work on.



Eddie Fong eddiefong@ieee.org
Editor, Circuit Newsletter, NSW Section

Another year is drawing to a close in what seems an accelerating time machine. Measuring the amount of value we have provided our members here in NSW is arguably more subjective. Let's have a quick re-cap on some of the more significant things we have undertaken. We have expanded the Communications and Signal Processing Society Chapters by adding the Oceans Engineering Society, we have formalized the LEOS and Circuits Systems Chapter in one, two major conferences here by the Computer Society and the Communications Society, and around 160 sponsored student memberships, the highest for 4 years.

Looking forward, 2009 is the 125th Anniversary for the IEEE, and every event conducted through 2009 will be identified as an 'IEEE 125 year Anniversary' event. Planning for a major anniversary dinner on the 13th March 2009 (the actual anniversary date) will commence shortly, and any ideas, suggestions, assistance would be fantastic. Please communicate your ideas to the Committee at your earliest convenience. One of the events that I am personally championing through the IEEE is a "Gadget Summit", where inventors, eccentrics and students can engage in a gadget display and presentation, and hopefully some type of award recognition from IEEE NSW. There are many challenges with delivering on this idea, not only with patent law, but with publicity, contractual waivers and of course the inventions, gadgets and gizmo's themselves.

As part of the ongoing succession plans with the committee for IEEE NSW, we have had three NSW participants attend the triennial IEEE Sections Congress (SC'08), where representatives from all 293 Sections in the world meet and share ideas, visions, experiences and establish contacts. The challenge facing the IEEE is maintaining its relevance, its values and initiatives in the face of changing social behavior. The 2008 Section Congress communicated means of engaging the media, with technology news, awards and recognition and raising the profile of important individuals. There is no Nobel Prize for technologists, and the IEEE is working to establish the IEEE Medal of Honor as the highest global technology award.

The 2008 Section Congress also gave attendees a first hand look at the personal stories behind 8 of the past IEEE presidents, as well as allowing us to meet some of the characters within the IEEE. It is apparent that most IEEE Sections face similar issues, as well stimulating lateral ideas to adapt what IEEE offers members.

Our NSW Section website has been quietly transformed into a Joomla content management system, and we must offer our sincere thanks to Mr. Eduardo Navarro from Puerto Rico. We are getting very close to being able to manage our own web content now, and we can now focus more on keeping web content up to date rather than whiz bang HTML coding heroics.

Please consider getting involved in IEEE activities going forward, either as an event presenter, committee or even just attending our events. You are cordially invited to the IEEE NSW Annual General Meeting and Dinner, please RSVP on the form in this issue.



David Burger k3hz@ieee.org
Chair, NSW Section

2. News in Brief

2.1. Gold from Around the World

In Quebec City, Canada, we all gathered to see how valuable Gold is, especially when it's IEEE Gold members, Graduates of the last decade.

This year, 2008 Section Congress experienced its very first Gold Summit on 18 and 19 September 2008. In these two busy and fun days, more than 70 Gold delegates from around the world gathered to network and learn about the importance of IEEE Gold members, the young engineers who are the fresh blood of the engineering community. IEEE analysts also believe that the transition from being a student to becoming a graduate has important implications on IEEE membership statistics, as this is when student members become full members and also it when they leave the academic community and join industry. Therefore IEEE has defined the Student Transition and Elevation Partnership (STEP) to inform students of the advantages of Gold membership, and also to provide Gold members with the networking opportunities and cutting-edge information that a young professional requires.

The first implementations of this program will be experimented around the world in 2009. The IEEE community hopes to see improved retention of young members and increased involvement of Gold volunteers as a result.



Gold delegates at Gold Summit 2008, Quebec City



Sara Hakami
UNSW Student Branch

2.2. NSW Section AGM and Dinner – 28 November 2008

This year, we are hosting the NSW Section Annual General Meeting (AGM) at Crowne Plaza Hotel, 30 Philip Street, Parramatta, NSW 2150 on Friday, 28 Nov 2008, commencing at 7pm sharp.



The Annual Dinner will follow after the conclusion of the NSW Section AGM at 8pm. The cost of the dinner is \$30 per person inclusive of drinks. This is the time for all IEEE members and their partners to meet and network.

For those members wishing to attend but have not submitted their reservation form, please do so as the reservation has now been extended to 10 November 2008.

Prior to the NSW Section AGM, Chapters will conduct their AGMs to elect new office bearers from 6pm at Crowne Plaza. All Chapter Chairs will conclude their meetings by 7 pm and also provide annual reports for

distribution at the NSW Section AGM.

Proposed Agenda - NSW Section AGM 2008

1. Attendance and Apologies
2. Minutes of 2007 AGM
3. Business arising
4. Section Chair Report
5. Section Treasurer Report
6. Chapter Reports
7. 2009 Section Committee
8. Other General Businesses

2.3. 2008 Section Congress in Quebec City, Canada – 19 to 22 Oct 2008

The Member and Geographic Activities (MGA) Board partnered with Region 7 and Quebec Section in hosting the 2008 Section Congress in Quebec City, Canada from 19 to 22 September 2008. There were 1,072 attendees from 89 countries representing 293 Sections.

IEEE Honours Ceremony was held on 20 September 2008. IEEE President presented 22 awards at the Ceremony. The Medal of Honour was presented to Dr. Godon Moore, Co-founder and Chairman of the Board, Emeritus, of Intel Corporation.

The 2008 Section Congress provided Section Chairs to speak, share and discuss their view for change. Final recommendations from all the Regions were ranked and the top ten will be presented to the IEEE Board of Directors at its November meeting. The top 10 recommendations are:

1. Every member to have an annual entitlement to a limited number of free IEEE Xplore downloads
2. Payment Flexibility
3. Provide "Leadership Training Handbook for Section Officers"
4. MGA Board to assign staff to develop, a user friendly system and support to enable Sections, Chapters, and Affinity Groups to deliver, at low cost, teleconferencing, collaborative technologies and webinars as a free member benefit.
5. For digital libraries – to develop additional, smaller tiered packages which allow members to purchase defined quantities of digital content without expiration and provide permanent access to previously purchased content.
6. Improve the implementation of recommendations identified at Sections Congress
7. There are a good number of IEEE member benefits that are relevant or accessible to Region 1 to 6 members only, should implement similar benefits of local relevance across all Regions.

8. Sections and Chapters need a web based payment solution for small local events
9. Provide support and tools for the creation and maintenance of easy to update Section Web
10. Implement sustained membership options for all membership grades except Student grade

The Board then assigns each of the 10 recommendations to specific IEEE business units for action.

2.4. IEEE's 125 Anniversary

IEEE is looking forward to 2009, to celebrate IEEE's 125th anniversary. Every event conducted in 2009 will be identified as an IEEE 125 year Anniversary event.

At this stage, R10 Student Activities Committee (SAC) is planning to host the Global Student Congress to commemorate the 125th Anniversary of IEEE to be held in October 2009.

Information about other activities can be found on the new 125th Anniversary Web site, which has message boards, a series of video greetings from members and some well-known technology leaders, and other interactive features.

2.5. Welcome to Our New Members and Upgrade Members

From June to September 2008, we have the following new members or newly upgraded members:

Life Senior Member Grade

Martin R Sanders

Senior Member Grade

Shanmugam Chandrasekaran
Jingling Xue
Dan C Popescu
Prashantha K Premaratne
Christian H Ritz
Jing Chen
Willy Susilo

Member Grade

Simon D Boland
Nihar T Trivedi
Shanta P Jayawardana
Jurgen H Opfer
Salvatore Mattera
G Wilson
Rimas G Keblikas
Golam M Sorwar
Kingsley R W Jones
Vicknarajah Prahathesasan

Fred Fetherston
Ido Nevat
Joshua A Graham
Jamie S Cullen
Dallas Clarke
Roman Katz
Nectaros Costadopoulos
David L Death
Suvomoy Rakkhit
Damitha C Herath
Prabath Kamalaseena
Anil Roychoudhry
Daniel J Ryan
Arvind C Baldeo
Wei D Ding
Sobhath R Ekanayake
Adriel P Kind
Claudio E Ferrero
Shahpar Ahmed
Tony Young
Yong Xia
James G Petersen
Patrick J Barnes
Weizhen Zhou
Vijay N Pandit
Xiao F Dong
Paula M Mcewen
Alister Cordiner
Wilson Pok
Anjum Naveed
Steven J Fone
Dean A Cooper
Wai Jacky Keung
Alison E Norris
Tauseef Gulrez
Mohaddeseh Nosratighods
Glen F English
Ross Forsyth
Matthew Imhoff
Liang Wang
Ayman Ghoneim
Ka Ming Leung
Jacqueline Qiu
Muhammad S Nawaz
Hung Q Ta
Kha H Ha
Zhe Xu
Khaled Khankan
Wilson Wong
Golam Sarwar
Jonathan David Point
Alejandro Ruiz Rivera
George Lazarou
Qim Yi Lee
Paul Rigby
Yue Liu
Michael Kurniadi
Mikhail Prokopenko
Artem Parakhine
Samir Talati
Chengyu Krystian Ji
Wei Li
Joan Lee
Muhammad Uzair
Sharmini Weerasinghe
Anthony John Leo
Crystal Huang
Gosciniak Jacek
Ming Chen
Gibbs Terence Gibbs
Hezhou Hu
Xuebin Fan
Aditi Anand
Colin Crisafulli
Jason Williams Owen
Rhys Horn
Can Quoc Nguyen
Nicholas Heyke
Nima Talebi
James Gregory
Mark Holden
David John Campbell
Damian Romano
anthony Charles Percy
Luke Paul Darnell
Kevin Wong
Tony Hancock
Bronwyn Stell
Daniel John Wedge
Sammy Spets
Mohammed Raad
Tuan Quang Pham
Andrew John McCausland
Christoph Jonas Brem
Mark James Cotterell
Darren So
Ryad Jalil
Graham Robert Seach
Michael John Hale
Michael James Wolfe
David Taylor
Earl Kohler
Ruiqin Xiong
Peter William Ilbery
Glenn Powell
Subhagata Chattopadhyay
Bianca Wirth
Shane Feeney
Osei Boakye-Yiadom
Kuldeep Jain
Roy Francis Brown
Shane Cooper

Xiangyu Wang
 Eddy Luigi Giacomel
 Susanna Guatelli
 Daniel John Lavis
 HASSAN ALI
 Angus Murdoch Ferguson
 Vincenzo Caruso
 Astrid Zeman
 Mark Pescud
 Ian Roderick Paterson
 Bjoern Sebastian Rueffer
 William Simpson-Young
 Jantima Polpinij
 Damian McNamara
 Wei Xu
 Jarrad Springett

Associate Grade

Aubrey G Jarkey
 Narinder Chhabra
 Farid M Ahmad
 Mo Li
 Sankika Tennakoon
 Daniel Tse
 George Koukas
 Zhi Li
 Jennifer McKenzie
 Fang Xie
 CY Vanessa li
 Biju Nair
 Houssam Sassine
 Rafeve Bencardino
 Craig Reid
 iain mclaren mason
 Christelle Monat
 Roman Kielich
 Tomasz Eugeniusz Wieteszka

Affiliate Grade

I Peter Farrell
 G Ziegler
 Victor M Lambe
 John Bennett
 Erik F Biester
 Stephen Bott
 John Robertson
 Steven Ferrier
 Humphrey Gitonga
 vijaya chemalamarri
 Roberto Amici
 Christopher Mewett
 I Peter Farrell

Graduate Student Grade

Hassan Achi
 Abdul H Al Omari

Ricardo P Aguilera-Echeverria
 Suparek Manitpornsut
 Wee Han Lim
 Kevin Adistambha
 Jie Xu
 Sakrapee Paisitkriangkrai
 Mark Whitty
 Mitra Safavi-Naeini
 Werayut Saesue
 Sakhinah Abu Bakar
 Yun Zhang
 Zhidong Li
 Naomi Henderson
 Khairul Azhar Kasmiran
 Ahmed Fawzi Otoom
 Saleh Mabrook Alsayari
 Soumya Chowdhury
 Hiren Bhupendra Prajapati
 Jantima Polpinij
 Sukhwinder Singh
 Narayanaswamy P.R. Iyer
 William Corcoran

Student Grade

Eleazar R Tortal
 Paul Cayfordhowell
 Po-Hsiang Tsai
 Janarthanan Vethalingam
 Shoeb Sarkar
 Jon Schmitz
 Benjamin McAlary
 Muhammad Syafiq Husni Ahmad
 Zawawi
 Jack Bosanquet
 Araya Sununkingpet
 David Mann
 Nandika Thapar
 Prasant Kumar Misra
 Ashoka ananda Amuwalage
 Ramsen Mikhaeel
 apenisa tibika
 Kenneth William Smart
 Christopher Wright
 Robert Stephen Estherby
 Nicholas Stuart Campbell
 Mark Cardamis

2.6. Life Members

The next Life Members Meeting will be held at the Annual Dinner after the AGM on Friday 28 November. There will be no charge for the first 4 life members and their partners who make a booking. Please contact Olivia Robinson on 9418 6209 to make your claim before 21 November.

2.7. 2009 Membership Renewal

Your 2009 membership renewal package will arrive in the mail soon, or you can renew online right now.

Renew before 15 November and you'll be entered into a draw to win one of three laptops.

3. Chapter News

3.1 ComSig Chapter

It has been a busy couple of months for the Joint Communications and Signal Processing Chapter. We started with three successful lectures from IEEE Distinguished Lecturer Prof Norman Beaulieu, the Canada Research Chair in Broadband Wireless Communications, at the University of Alberta, Edmonton, Canada. He talked to us about "Designing Ultra-Wide Bandwidth (UWB) Receivers for Multi-User Interference Environments", and he made the presentations at CSIRO's ICT Centre, UNSW and the University of Newcastle. Roughly 60 people attended the events, which were warmly received, and it was especially good to get out of Sydney and visit some of our regional areas of NSW. We were treated to some excellent insights into the current status of UWB, and even enjoyed some of Norm's jokes about Australian beer!

Last week I attended the IEEE Communications Society Asia Pacific Regional Chapters Chair Congress (AP-RCCC), and the IEEE Communications Society Asia Pacific Sister Societies Summit (SSS) 2008, jointly held in Tokyo. It was a very interesting insight into the workings of the IEEE, particularly in the Asia Pacific region. Much of the discussion was around the topic of attracting new members, and how best to serve current members. The magazines and Chapter meetings were seen as important to members, as well as chances for networking and mentoring through the organization. If you have any comments or suggestions on things which we can do to improve the benefits of your membership, please drop me an email.

Other activities during the past month or so include our Section and Chapter's decision to technically sponsor the upcoming Australian Communication Theory Workshop, to be held in Sydney in February 2009.

Keep an eye on the calendar for future events leading up to Christmas. I look forward to meeting you at the Section AGM, or at another of our events.



Iain Collings i.collings@ieee.org
Chair, ComSig Chapter

3.2. Power & Energy Society & Life Members

Distinguished Lecturer Prof Roma Rinkeviciene from Vilnius Gediminas Technical University, Lithuania gave two lectures at the Energy Australia Auditorium in Sydney on 23 Sept 2008. The first lecture was on the development of the Lithuanian Energy Sector, the second on Women in Electrical Engineering in Lithuania. Kim Chin is arranging to form an affinity group for WIE and all women members are asked to contact her at kim.chin@ieee.org

Special thanks are due to Patrick McMullan, Energy Australia for donating the facilities and providing light refreshments. Also many thanks to Alan Harvey from the Victorian Section, who did all the hard work bringing Roma to Australia and Zac and Ramona Zakarevicius who worked on the local arrangements.

Next year our Vice Chair, Prof Vassilios Agelidis will be giving a lecture on Thursday 12 March 2009 for the Joint Institutions Lecture Program at Engineers Australia, Chatswood. His presentation will deal with the advances made in the development of Flexible Alternating Current Transmission System (FACTS) Technologies. Vassilios is also to be congratulated on raising considerable funds for the establishment of a new Power Engineering facility at the University of Sydney.



John L Robinson jl.robinson@ieee.org
Chair, Power & Energy Chapter & Life Members

4. Technical Meetings & Conferences

All members are cordially invited to attend these joint meetings with the Engineers Australia (EA), IEEE and IET. These joint meetings are held at 6.00 pm (with light refreshments from 5:30pm) at the Engineers Australia, 8 Thomas Street, Chatswood, NSW unless otherwise stated.

All members should check the latest updates of the Meetings & Conferences a couple of days prior to the actual date at the IEEE NSW News bulletins at <http://www.google.com/calendar/embed?src=k3hz%40ieee.org&ctz=Australia/Sydney> and also the Engineers Australia at <http://sydney.ieaust.org.au/weekevents.html> to prevent any potential disappointment due to last minute changes.

2008	Event	Speaker	Host	Contact / Chair	Venue [ensure you re-confirm beforehand]
27/11/2008	iTech Corporation talking about embedded systems and outsourcing	Nick Fondas - I tech Corporation	Joint Program	Peter Hitchiner	6:00pm 8 Thomas St, Chatswood
27/11/2008	Engineers Australia Electrical branch AGM.			Peter Hitchiner	5:00pm 8 Thomas St, Chatswood
28/11/2008	IEEE NSW Section AGM / DINNER	NSW Section Committee	IEEE	Secretary	Crowne Plaza, 30 Phillip Street, Parramatta 2150 from 7:00pm to 11:00pm
9/12/2008 - 12/12/2008	IEEE/WIC/ACM International Conference on Web Intelligence & IEEE/WIC/ACM International Conference on Intelligent Agent Technology	http://datamining.it.uts.edu.au/wi08/html/wi/	IEEE Computer Society		Citigate Central Hotel, 169-179 Thomas Street
14/12/2008 - 17/12/2008	Australian University Power Engineering Conference		IEEE PES Cosponsor	f.rahman@unsw.edu.au	University of New South Wales
2009	Event	Speaker	Host	Contact	Venue [ensure you re-confirm beforehand]
3/2009	AustraliaCom'09 (fees may apply)		IEEE	E-mail: samr@uts.edu.au	TBA



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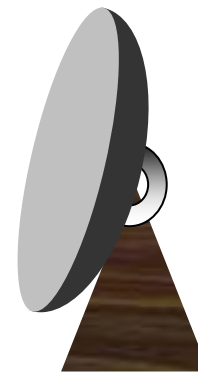
WE SMILE 😊 AND WE CARE



ELEVENTH AUSTRALIAN SYMPOSIUM ON ANTENNAS

Sydney

18-19 February 2009



Call for Abstracts

The Symposium aims to bring together engineers, scientists, and industry representatives working in antennas and related areas to discuss developments relevant to Australia. It is sponsored by CSIRO ICT Centre.

You are invited to attend and participate in this major technical event, and we encourage you to submit an abstract on a topic of current interest.

- Full registration costs \$350 and \$250 for students and retirees (GST inclusive), if prepaid prior to 31 December 2008.
- There will be a \$600 prize for the best student presentation.
- Abstracts are required by 28 November 2008.
- See website for registration and submission of abstracts. For further information, contact Ms Dallas Rolph (02) 9372 4289, fax (02) 9372 4446. email: dallas.rolph@csiro.au.

6. IEEE NSW Section 2008 Annual General Meeting Reservation

Date: Friday, 28 November 2008

Times: 6pm Chapters' AGMs , 7pm NSW Section AGM, and 8pm NSW Section Dinner

Venue: Crowne Plaza (Parramatta), 30 Phillip Street, Parramatta, NSW 2150. Tel: 9689 3333 and www.crowneplazaparramatta.com.au

Hotel Room: \$160 per double bed room (through IEEE) subject to availability

Car Park: \$10 car park in the hotel subject to availability

Contribution: \$30 per person (including drinks on table). Enclosed is payment of \$..... for persons

Name:.....Tel: (W)..... (H)..... (M).....

Address:.....Postcode.....membership number:.....

Attending: AGM Dinner..... (Yes/No as applicable) Vegetarian.....(Yes/No as applicable)

Kindly Post or fax by 10 November 2008 to:

IEEE NSW Treasurer, C/O Australian Professional Centre, PO Box 576. CROWS NEST NSW 1585

Or Fax: +61 2 9130 4574 or email nuala.ward@ieee.org

7. Continue to Receive Circuit by Post

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If you require a printed copy of **Circuit** mailed to you, please complete the form below:

Note: If you have previously returned this form, there is no need to send it again.

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