



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  
ARBN 078 576 495 ABN 34 078 576 495  
Editor: Eddie Fong  
Email: [eddiefong@ieee.org](mailto:eddiefong@ieee.org)

**Volume 31 Issue 3**

**November 2008**

## Contents

Item	Page
<i>Editorial</i>	1
1. <i>Message from the Chair</i>	1
2. <i>News In Brief</i>	2
3. <i>Chapter News</i>	6
4. <i>Technical Meetings &amp; Conferences</i>	7
5. <i>NSW Section 2008 AGM/Dinner Reservation</i>	8
6. <i>Continue to Receive CIRCUIT by Post</i>	8

## 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](mailto: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](mailto: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 125<sup>th</sup> 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  
Nectarios 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](mailto: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](mailto: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](mailto: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	<a href="http://datamining.it.uts.edu.au/wi08/html/wi/">http://datamining.it.uts.edu.au/wi08/html/wi/</a>	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



DBT welcomes our partnership with the IEEE and their Members. We specialize in Corporate and Leisure Travel to every corner of the globe. DBT offers IEEE and their members the following exclusive benefits:

- Full Travel Management - Solutions & Profile Management
- Advanced, proven technology
- Cost effective travel management & economical alternatives in products
- "Open Sky" and best fare of the day policy – domestic & international airfares
- Hotel & Car Hire contract rate arrangements
- Travel Policy captivating Online Booking Engine Solutions (Flightscene)
- Global Assistance and true 24/7 emergency customer care contact facility
- VIP – golden glove treatment
- Experience Leisure and Cruise Consultants with more than 20 years experience
- 25% off Travel Insurance

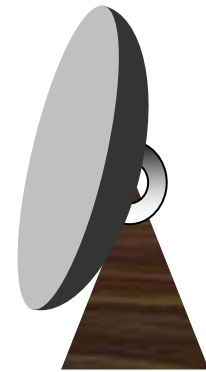
Our website – [www.flightscene.com.au](http://www.flightscene.com.au) is IEEE's assigned Online Booking Tool. IEEE bookers please insert the Code (IEEE) in the special request box just for the IEEE tracking & reporting.

For all your Corporate and Leisure Travel call 1 800 678555 or E-mail your request to [Stefan@dbt.com.au](mailto:Stefan@dbt.com.au).

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](mailto: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](http://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](mailto:nuala.ward@ieee.org)

## 7. Continue to Receive Circuit by Post

*Circuit* is currently provided electronically from the IEEE NSW Section Website <http://ewh.ieee.org/r10/nsw>. Members will be notified by email when a new issue is posted on the Website. A printed copy of *Circuit* will only be sent on request by members and for those without an email address.

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.**

Please Detach-----

**Yes, I want to receive *Circuit* by post**

Name:..... Member No:.....

Address:..... Postcode:.....

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

Email: .....

**Post to:**

Circuit Editor, C/O Australian Professional Centre, PO Box 576. CROWS NEST NSW 1585

Or Fax: 61 2 94318677

*Circuit* reaches over 2200 IEEE members in NSW.  
For advertising in *Circuit*

Please contact:

Eddie Fong at +614 13777511 or [eddiefong@ieee.org](mailto:eddiefong@ieee.org)