



Celebrating 125 Years
of Engineering the Future



The Institute of Electrical and Electronics Engineers, Inc.

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Editorial

Welcome to the November edition of Circuit. It's been another eventful quarter for the IEEE NSW Section including hosting of the IEEE 125th Anniversary dinner, which was a great success.

We have already begun compiling events for the 2010 calendar and a preliminary outline of some of those events can be found on page 8 of the Newsletter. If you, or someone you know, are interested in presenting on a topic which you believe is of interest to members, please get in touch as we'd love to hear from you.

The 2009 IEEE NSW Section combined AGM and dinner will be held at the Sydney Hilton Hotel on 27 November 2009. The dinner is always a lot of fun and provides an excellent environment to network and generally be involved with the Section. Further details can be found in Section 2.1 of the Newsletter.

Finally, a reminder that your 2010 IEEE membership is now up for renewal. Renewal can be carried out online at:

<http://www.ieee.org/web/membership/renew/index.html>

All renewals received prior to 15 November 2009 will be entered into a draw to win one of three laptop computers.



Mark O'Mally mark.omally@ieee.org
Editor, Circuit Newsletter, NSW Section

1. Message from the Chair

Time flies. A year has almost passed and the 2009 AGM is fast approaching. Since taking over the Chairmanship of the IEEE NSW Section, I have been working to build a platform for academics, engineers, government agencies, diplomatic missions and members of industry to meet, exchange ideas, and establish professional networks. As part of this process, the traditional AGM dinner is this year being merged with "NETWORK 2009". I welcome you all to join us for this new and very worthwhile event.

MOU Signing – Sister Relationship between IEEE NSW and IEEE Russian Siberian Section

To encourage the exchange and dissemination of technical information between electrical engineers in NSW and our Russian-Siberian colleagues (and in turn promote understanding and cooperation between the respective members), a MOU and Sister Relationship Agreement between the two sections was signed on Monday, 14 September 2009 in Vladivostok, Russian Federation. The agreement was signed by myself and Associate Professor Alexander Gridchin.

funds to subsidise their members to attend NETWORK 2009.

ARC Linkage Liaison Committee

After the establishment of the ARC Linkage Liaison Committee, several ARC (the Australian Research Council) relationships have been established between universities and industry which have enabled university researchers to get initial cash injections from industry and government. A number of ARC Linkage applications will also be submitted in the next few weeks.

Student Job Service

Student Job Service is being set up to match industry demand with the requests of our university graduates. The Committee will be contacted by government and industry Human Resources Departments who do the regular recruitment. The job vacancies will then be sent to our IEEE student members in NSW.

I look forward to seeing you all on the 27th of November.



David Tien dtien@csu.edu.au
Chair, NSW Section

2. News in Brief

2.1 NSW IEEE AGM and Dinner

This year, we are hosting the NSW Section Annual General Meeting (AGM) at the Sydney Hilton Hotel, 488 George Street, Sydney, NSW 2000 on **27 November 2009**. The AGM commences at 7pm sharp.

The combined Annual Dinner and "Network 2009" will follow after the conclusion of the NSW Section AGM, at 8pm. The cost of the dinner is **\$25** per person inclusive of drinks.

A reservation form can be found on page 9 of the Newsletter. If you would like to attend the combined Annual Dinner and Network 2009, please complete and submit the form by **18 November 2009**.



MOU signing between Dr David Tien, Chairman of IEEE NSW, and Associate Professor Alexander Gridchin, Vice-Chairman of IEEE Russian Siberian Section.

There are many similarities between the Russian Far East and Australia. Notably, Vladivostok and NSW share the same time zone and both Australia and the Russian Far East have a strong European tradition.

The initiative to cement a partnership between IEEE NSW and IEEE Russian Far East has received support from the Australian Ambassador to the Russian Federation, Ms Margaret Twomey, who was touring Vladivostok during the time of MOU signing, and from Consul-General of the Russian Federation in Sydney, Dr. Tatiana M. Grushko. Two Professors from the Russian Academy of Sciences will visit Australia this month and attend our NETWORK 2009.



Meeting in Vladivostok with the Australian Ambassador to Russia, Ms Margaret Twomey (2nd right), and First Secretary, Sue Burgess (right).

Industry and Government Liaison Committee

To further the relationship between IEEE NSW and industry, a number of people from industry and the Government Liaison Committee have been working to establish closer ties between academic, government and key industries. Some Chapters have received sponsorships from industry to carry out activities in the areas of R&D, event management and joint grant applications. Some of the Chapters have also received

In total 34 submissions were received across six categories, each with a \$300 industry sponsored cash prize. Here are the 2009 winners:

Cochlear prize for "Improving quality of life":

Winner: Johnson Chung
 Poster Title: Polyurethane Nanocomposites using Dexamethasone as potential drug delivery systems: sustained release and structural interactions

Microsoft prize for "Energy & Green Environment":

Winner: Pasquale Aliberti
 Poster Title: Study of Silicon Quantum Dots in a SiO₂ Matrix for Energy Selective Contacts Applications

NICTA prize for "Fast, reliable & secure":

Winner: Mark Hiscocks
 Poster Title: Diamond Etching at UNSW: Towards Secure Communication Technologies

Optus prize for "Towards miniaturization":

Winner: Jarryd James Pla
 Poster Title: Towards a quantum computer: Single shot read-out of an electron spin in silicon

Canon prize for "Connecting & Entertaining the world":

Winner: Adeel Razi
 Poster Title: Sum Rates and User Scheduling for Multi-User MIMO Vector Perturbation Pre-coding

CSIRO prize for "Automation & Adaptation":

Winner: Gilbert Foo
 Poster Title: Direct torque control of an IPM synchronous motor drive at very low speed using a sliding mode stator flux observer

The event was closely supported by the School of Electrical Engineering and Telecommunications (EET) in UNSW. Aside from the industry prizes, the event was sponsored by IEEE NSW Section and UNSW Schools of EET, CSE, Surveying, Photovoltaics, Mechanical and Biomedical Engineering. The event was later on awarded with the "Innovation Grant" from ARC, which is UNSW's Clubs Association. For more information and photos from the 2009 poster competition please visit the iToF website <http://www.ieee.unsw.edu.au/~ieee/itof.html>

The group has already started planning for 2010 and is seeking sponsorship from industry and research organizations. If you would like to be one of our 2010 proud sponsors please do not hesitate to contact us on ieee@cse.unsw.edu.au.



Sara Hakami sara.hakami@ieee.org
 UNSW Student Branch



Sydney Hilton Hotel (City)

Prior to the NSW Section AGM, Chapters will conduct their AGMs to elect new office bearers from 6pm. All Chapter Chairs will conclude their meetings by 7 pm in readiness for the AGM.

Proposed Agenda - NSW Section AGM 2009

1. Attendance and Apologies
2. Minutes of 2008 AGM
3. Business arising
4. Section Chair Report
5. Section Treasurer Report
6. Chapter Reports
7. 2010 Section Committee
8. Other General Businesses

2.2 First Inaugural UNSW Postgraduate Poster Competition

IEEE UNSW Student Branch held its first postgraduate poster competition in early August, which I am pleased to report was well attended by students, academics and representatives from industry. The objective of the poster competition was to provide postgraduate students with the opportunity to present their research or projects to get feedback from a panel of judges and to interact with related industries and research organizations.



Poster Competition entrants and winners

2.3 IEEE History and Heritage

Each IEEE Section, as well as any individuals endowed with historical knowledge of the IEEE, has been invited to contribute to the new IEEE Global History Network website. This is a Wiki based website that is being used as a repository for all things historical around both IEEE and technology. It differentiates from the popular Wikipedia, in that the content is intended for technologists, and material that has historical significance. You are all kindly invited to have a look (simply Google search "IEEE GHN"), and of course you are invited to contribute. For those that want a historical challenge, pick an IEEE Section somewhere in the world and do some research on it! There are many Sections that have no entries, and even if you can contribute just a line of information, it would be well received. Did you know that there are NO historical documents for the whole of the 1990's from IEEE New South Wales! If you can assist with that old box of documents in the shed, please get in touch with me.



David Burger k3hz@ieee.org
Immediate Past Chair, NSW Section Historian

2.4 IEEE NSW link to Nobel Prize Winner

One of the co-winners of the 2009 Nobel Prize in Physics, Charles K. Kao, in the early 1960's was working at Standard Telephone Laboratory (STL) in England. At that time his mentor and PhD supervisor was Antoni (Toni) E. Karbowiak, who was then in charge of telecommunication research at STL and who encouraged him to pursue research into optical communications, for which Charles Kao has now been awarded the Nobel Prize. Toni Karbowiak in 1964 took up the Chair in Communications in the School of Electrical Engineering at the University of NSW and became one of the pioneers in optical communications research in Australia. Toni Karbowiak is currently the longest serving IEEE member in NSW.

Ramutis Zakarevicius ramzak@bigpond.com
Chair, Awards & Recognition

2.5 Life Members

Now is the time to renew your IEEE life membership. You think I am crazy? Well no, because the procedure

requiring annual renewal was implemented a couple of years ago because Head Office did a survey and found many members around the world had not taken steps to ensure their local Section were not aware of their passing. The default condition is that if we do not renew annually our names are removed from the database. Therefore, please renew as soon as possible – if you do so before 15 November 2009 your name will be put into draw for a useful prize.

The dinner following the AGM this month will be free to those life members who contact me before 22 November with their name and partner's details .If you don't show up at the function you will be billed for the event. As in the past we have had no shows with any reasonable excuse received.



John L. Robinson jl.robinson@ieee.org
Chair, Life Members Affinity Group

2.6 Free Student Membership

I am pleased to report that the IEEE NSW Section will be awarding 200 free student memberships in 2010. A flyer will be circulated shortly providing further details. In the meantime, feel free to contact me to find out more (e-mail: a.hellany@uws.edu.au or mail: School of Engineering, Locked Bag 1797, Penrith South DC, NSW, 1797).

Dr Ali Hellany a.hellany@uws.edu.au
Chair, Student Activities

2.7 Bits and Pieces

Congratulations to Sara Hakami who has been recently selected as a finalist for the 2009 Australian and New Zealand Anita Borg Memorial Scholarship. Well done Sara!

2.8 Welcome to our New and Upgraded Members

From June to September 2009, we have the following new and upgraded members:

Senior Member Grade

Alistair McEwan
 Tanveer A Zia

2.9 Welcome to our New and Upgraded Members (cont.)

Member Grade

| | | | |
|-------------------------|-------------------------|---------------------------|--------------------------|
| Hon Wah Cheng | Joseph A Thomas-Kerr | Joo Lim | Abhaya Parthy |
| Mary-Anne Williams | Joseph T Lizier | Anoop J Mehta | Anthony Setiawan |
| Kam H Fung | Ioakim Marmaridis | Khaled Khankan | Yiwei Liu |
| Camillo Pavan | Po-Hsiang Tsai | Farshad Javadi | Amy Dee Fu |
| Bojan Vizintin | Xiaoke Yi | Sutharsan Arunthavanathan | Lin Chi Mak |
| Manal E Helal | V Pasupathinathan | Nai Shyan Lai | juan ostos |
| Chee Min Wong | Byron N Wicks | Gaetano Gargiulo | Madhu Alasyam |
| Shanta P Jayawardana | Erik R Urbach | Dheeraj K Klair | matthew bastian |
| Branko G Celler | Muralee Krishnan M | George Lazarou | David Cooper |
| C J Vance | Fawzi K Harfoush | Lindsay Powles | Ian Bruce Farquhar |
| Robert Jongbloed | Sridhar Reddy Pulikanti | Jun Yang | Jinsun Kim |
| Colin Sutton | Aarthi Nagarajan | Dayong Ye | Said Alameddine |
| Anurag K Gupta | Thomas Xian Hua Huang | Ashish P Agalgaonkar | Naveed Ali Khan |
| Hassan Achi | Xiaoyuan Ta | Carmela Rose Reznik | Mahmood AKHTAR |
| Rodney P Brooks | George Zi Yi Guan | David Kenneth Lucas | David Barry Parker |
| John C Turner | Marcel Krawczyk | Peter White | Andrew Bolin |
| Thavarajah A Iyer | Alister Cordiner | Pedro Thomas Harris | Yan Wen |
| Jay Johansen Lim | Rachel L Mackie | Carlos Alfredo Adjiman | Douglas Craig Morley |
| Ido Nevat | Wilson Pok | Praptono Adhi Sulistomo | Antonio Enrique Velasco |
| Ozgur Isik | Evann Wong | Yee Jern Chong | Dothinka S RRallage |
| Jamie S Cullen | Jerry Chun-Ping Wang | Quanjun Chen | James Robert Ward |
| M S C Herath | Kai Xian Lai | Karun Tank | Alan Stephen Davison |
| Richard W Lancaster | Lance S Cohen | Mohamad Nassereddine | Peter James Ferris |
| Stephen F Mccracken | Igor Stjepanovic | Nathalie Nakhle | Franck D Cassez |
| Paul A Zrna | Mark D Facer | Mentari Djatmiko | Adam Strickland |
| Suvomoy Rakkhit | Kenneth Lam | Michael James Gratton | David L Jones |
| Li Zheng | Muhammad Arif Khan | Andrew Rinaldo | Chandana Prasad Withana |
| Raymond K Sheh | Irosh Fernando | Ilung Pranata | Dale Matthews |
| Jolyon A S White | Venkata K Gutta | Can Quoc Nguyen | Peter Smart |
| Glenn M Platt | Xin Zhao | Chula AbeySirinarayana | Steven Hip Chun Mok |
| Kelvin K Cheng | Dale R Bates | Mu Qi | peter padd |
| Xuyan R Wang | Louis H Jung | Araya Sununkingpet | Wei Ni |
| Yonah Azriel | Hang Zhou | David Mann | Michael John Moulton |
| Dale A Prokopovich | Jonathan Gan | Bianca Wirth | Janine F Hiddlestone-Lea |
| Liam Widdowson | J Vethalingam | Xiangyu Wang | Richard Xu |
| Paul E Pokorny | Jay R Carniel | Ahmed Fawzi Otoom | Arcot Sowmya |
| Christopher J Hunter | Yinan Kong | Saleh Mabrook Alsayari | Iyad Yousef Alsmairat |
| Joao Carlos Aydos | King Yuk Chan | Soumya Chowdhury | Mark Schwarzl |
| Joshua Ross Wall | Tharmarajah Thiruvaran | Kenneth William Smart | ashay dhamdhare |
| Laurence H Bate | Vidhyasaharan Sethu | Hiren Bhupendra Prajapati | Jeanne Ann Young |
| Farid M Ahmad | Robert J Weir | Daniel John Watman | Roger Hayward Philp |
| Mohammad F Rabbani | J B Ajith Nishantha | Mark Cardamis | Mattias L Aslund |
| Thierry Peynot | Chris Walsh | James Charters | Toby Allen |
| Trung D Pham | Ting Shan | Eric Ho Cheung Poon | Patrick Thomas Kirton |
| Alan Kan | Chee Keong Ho | Jason Lee | Jason John Sawras |
| Daniel E Riedel | Ante Prodan | dany pradhana | Dean Goward |
| Richard Sayad | Shoeb Sarkar | Syed Sohaib Ahmed | Fabian Rory Magrini |
| Graeme W Lowe | James A Howarth | Badrul Hasan Mohammed | Michael Roy George |
| Venkatesan Balakrishnan | Kuan Yen Tan | A.H.M Razibul Islam | Derek A Farrugia |
| Suparek Manitpornsut | Andrew P Bradshaw | Anas M Aloudat | Joseph Pathikulangara |
| Mo Li | Sonja Milanovic | Wai King Yong | Peter Wlodarczyk |
| | | | William Tyree |

2.9 Welcome to our New and Upgraded Members (cont.)

Associate Grade

Andrew Keith Noble
Narinder Chhabra
Lee D Walsh
Cibby B Pulikkaseril
Sahan H Wimalasiri
Joshua P Toomey
Corey Jon Tobin
Song Gao
Russell Joseph Gentle
David Sparks
Lars Narushevich
Matin Katebi
Phillip Maher
Rafal Fijolek

Grad. Student Member

Gunawan Herman
Benoy Varghese
Ronny Novianto
Joe Zou
Shu Kong Ki
Mark Platt
Joseph Hungjin Kim
Upuli S Indighamaditta
Arridh Shashank
David Allan Heldsinger
Syed Taha Ali
John Brondum
Michael Scott Roberts
Hamed Farhangmehr
Dimitri Semenovich
Asish Zac Alex
Corby MO-SZU Fu
Marto Daud
Matthew Newman
Michael van Leeuwen
ChiMan Chan
Rodger Paino
Thomas Chau
Louie Tsang
Lukasz Wiklendt
Jason Huang
Patrick McElhinney
Nicholas Yip
Aaron Yap
Avinash Stephen Das
Hunter Ho
Agnieszka M Wiklendt
beibei xu
Matt Ward
Terence Chen
Karan Kwatra
Ian David Laird
Clinton Goodwin
Jason Hambly
Weihong Wang
Shan Chen

Grad. Student Member (cont.)

Xianggao Kong
Safrijal M Jamil
Appu George
Matthew Field
Haseeb Raza
Artem Parakhine
Sampath Ns
Meghan Gunst

Student Member

Damien Kearns
Kumaran Nathan
Nallanathan Harendharan
Xingyu ZHANG
Christopher Kerr
Fahd Ayyalil Mohiyaddin
Gavin Steacy
michelle maree platcher
Andrew Obst
Chris Druitt
Jhansi Rani Rao
Li Jin
Yana Thrasyvoulou
Don Truong
Ying Chuen Ho
Simon Chow
Aleksandra Daniel
Ifeanyichukwu J Ahaotu
P PHILIPS
Victor Lui
Yasser Alsaadi
ZHI LI
Cliff Harris
Joel Lim
luke long
Hao Ye
Anthony Fowler
Nelson Billing
Hendi Astono
Matthew Sheridan
Worapan Kusakunniran
Joy Deluxon Thiraviarajah
Robert Malcolm Dunn
Timothy Wong
Denis Kaynarca
Jeffrey John O'Neill
Jason Fui-Kok Wong
Andrew Vieyra
Anthony To
Tolga Turegun
Andrew Wegrzynowski
Duncan McNab
Peter Lanzonski
Benjamin Wang
Adrian Dennis Lee
Aaron Crosley

Student Member (Cont.)

Bennett John McCorkell
Henra Sung
Alireza Zonnoorian
Syed Sameed Wahid
James Woon
Liam Thomas
Stephen Kerr
kaushik Kundu
Liam Thomas
Christopher Doyle
Paul McNamee
Rui Melo
Terry Chien-Jen Yang
Beau Wildie
Rattiporn Luanrattana
Yuxin Tan
Bao Tran
Thomas E Peters
Ian Commerford
Tony Mann
Nick Zhu
Mohammed Hasan
Ronan McElhinney
Colin Fong
Meng Xu
Alonzo Daniel Sparkes
Kyle Seton
Dean Illfeld
Dominic Miles Kitching
Craig Jones

Student Member (Cont.)

mehnaz zerin
Abraham Wile

Associate Member

Narinder Chhabra
Lee D Walsh
Cibby B Pulikkaseril
Sahan H Wimalasiri
Joshua P Toomey
Corey Jon Tobin
Song Gao
Russell Joseph Gentle
David Sparks
Lars Narushevich
Matin Katebi
Phillip Maher
Rafal Fijolek
Andrew Keith Noble

Affiliate

Un-Seng Halim
John Bennett
Boualem Benatallah
Ian Bowditch
David Bryan
Dianne Castillo
Alex Nedoboi
Rene Hugentobler
Nicholas Goodspeed

3. Chapter News

3.1 Joint OCEANS/Signal Processing and Communications Chapter

The Conference web site is now functioning at <http://www.oceans10ieeesydney.org/>. Early bird registration is open now. Drop me a line at jl.robinson@ieee.org if you are interested in attending this Conference.

3.2 Antenna & Propagation/ Microwave Theory & Techniques Chapter

On 19 October 2009, Professor Manos M. Tentzeris from the Georgia Institute of Technology, Atlanta, USA, delivered an excellent lecture entitled "Inkjet-Printed paper/polymer-based RFID and Wireless Sensor Nodes: The Final Step to Cognitive Intelligence?". The lecture was held at Macquarie University and was jointly organised with the IEEE Student Branch.

Professor Tentzeris addressed a wide range of issues related to RFID, wireless sensor networks, low-cost microwave packaging and ultra-wideband antennas. The focus was on the development of extremely low-cost multi-functional sensor nodes through innovative microwave technologies, while exploiting the advances in other fields including material science (e.g. conductive inks, carbon nanotubes, polymers), battery technologies (e.g. thin-film batteries) and energy scavenging. The meeting was well attended partially due to direct trains now running from the city to Macquarie University.



Karu Esselle esselle@ics.mq.edu.au
Chair, AP-MTT Chapter

3.3 Power & Energy Chapter

Prof Saifur Rahman's visit to Sydney was a huge success with over 100 members attending his two hour tutorial on Renewable Energy and one hour lecture on Smart Grids. The event was held at Energy Australia's George Street Auditorium on 24 August.



Captive audience at Saifur Rahman's Lecture

Finally we have over 140 members in the New South Wales Section and we hope to receive some applications to join the local Chapter Committee. We have already invited Prof Vassilios Agelidis to nominate as Chair for 2010/2011. He attended the Region 10 Chapter Chairs' meeting in Kuala Lumpur at the end of October. All our P & E Society members are eligible to nominate themselves for any position in the local Chapter management. Your application should be directed to Dr Graeme Gwilliam by email to gb.gwilliam@ieee.org, preferably before the Annual

General Meeting to be held at the Sydney Hilton on Friday 27 November.

Finally I sincerely hope all our members voted in the election of PES officers for the 2010-2011 terms. Electronic ballots had to be received at IEEE no later than 2 November 2009 USA Eastern Standard time. Because of the time difference we could vote early morning on 3 November 2009.

I look forward to members coming along to the AGM on 27th November at the Hilton Hotel in the CBD but please use public transport. I recently attended the EESA Conference at the Power House Museum using public transport but made the mistake of using my car in the evening to attend the Gala Dinner at the Star Room, Darling Harbour. I dropped off my wife Olivia at 6:30pm and it took over half an hour to park in Sussex Street only a short walk from Wheat Road, because of the traffic jams in the CBD!



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

4. Technical Meetings & Conferences

All members are cordially invited to attend these joint lectures with the Engineers Australia (EA), IEEE and IET. These joint lectures will be held at 6.00 pm (with light refreshments from 5:30pm) at the EA, 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 EA at http://www.engineersaustralia.org.au/events/events_home.cfm to prevent any potential disappointment due to last minute changes.

| Date (2009) | Event/Meeting/Conference | Speaker | Host | Contact | Venue |
|-------------|---|---|------|-------------|---|
| 12 November | Wind Measurements | Dale Hughes, CSIRO | EA | Kim Yan | Electronic Flyer to be distributed providing more information |
| 26 November | Electric Vehicles | TBA | EA | Raymond Pau | EA Auditorium |
| 2 December | CPD and Career Advancement | Simon Bartlett, CEO of Power Link QLD | EA | Amal Hanna | EA Auditorium |
| 10 December | Multicasting for Internet Broadcasts | Kim Chin, Australian Catholic University | IEEE | Eddie Fong | EA Auditorium |
| Date (2010) | Event/Meeting/Conference | Speaker | Host | Contact | Venue |
| 11 Feb | Electric Vehicles (Part 2) | Mark Edmunds | EA | Raymond Pau | EA Auditorium |
| 25 February | Visit to University of Sydney Power Laboratory | Vassilios G. Agelidis | IEEE | Eddie Fong | University of Sydney |
| 11 March | Gas Turbine Systems | George Fox | EA | TBA | EA Auditorium |
| 25 March | Alternate Energy | Julian Dinsdale | EA | TBA | EA Auditorium |
| 10 June | Metamaterials in Electromagnetic and Microwave Energy | Dr Ozgur Isik, Argus Technologies | IEEE | Eddie Fong | EA Auditorium |
| 22 July | Free Flow Marine Vortex Turbine | Michael Urch/ Kim Lyle, Elemental Energy Technologies Ltd | IEEE | Eddie Fong | EA Auditorium |

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Please contact:

Mark O'Mally +614 11026960 or mark.omally@ieee.org

5. IEEE NSW Section 2009 Annual General Meeting Reservation

Date: Friday, 27 November 2009
RSVP: Wednesday, **18 November 2009**
Times: **6pm** Chapters' AGMs , **7pm** NSW Section AGM, and **8pm** NSW Section Dinner and Network 2009
Venue: Sydney Hilton Hotel, 488 George Street, Sydney, NSW 2000
Contribution: \$25 per person (including drinks on table).

✂ -----

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

Title: **Name:**.....

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

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

Company/Organisation..... **Position in Organisation**.....

Membership Number (for IEEE)

Contact Phone Number: E-mail:

PAYMENT DETAILS (If attending Dinner/Network 2009):

| CATEGORY | Early Bird Registration (Nov 18, 2009 and earlier) |
|---------------------------|--|
| IEEE Members and Partners | \$25 |
| Non Members | \$115 |

Name on Credit Card:.....

Credit Card No:..... Exp:.....

Type (Visa, MasterCard only):

Total Payment Amount (in Australian Dollars):.....

Kindly E-mail: dtien@csu.edu.au (please send scanned copy of completed form)
Or Fax: +61 2 63318729

✂ -----

6. 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. As mentioned in the Editorial, copies of **Circuit** will only be sent by paper mail on request. If you require **Circuit** to be 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 all future editions of *Circuit* by post

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