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IEEE NEW SOUTH WALES SECTION
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Editorial

As mentioned in the July edition of Circuit, the combined AGM and Dinner is being held on 26 November 2010. This year, the event is taking place at the Shangri-La hotel in the City, with proceedings commencing at 6pm (for the initial Chapters Meetings). The IEEE NSW Section will be covering the cost of the dinner. Registration closes **19 November 2010**, so please don't delay in getting your registration form in to avoid missing out on what's sure to be a great night. Further information can be found on the booking slip on page 9 of the newsletter. I look forward to seeing you all there!



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

1. Message from the Chair

Two years ago I was honored to be elected as Chairman of the IEEE NSW Section and have taken this opportunity to enhance member services. Particular efforts have been made to restructure the Committee and promote activities to benefit members.

Over the past two years the IEEE NSW Section has initiated the following: (1) Industry and Government Liaison Committee; (2) ARC Linkage Liaison Committee to provide university researchers with much needed funding from industry and Government partners; (3) Continuing Education Committee; (4) Conference Liaison Committee to attract major IEEE international conferences to be held in Australia; and (5) Student Job Services to inform members of job opportunities and scholarship offerings.

We have also developed bilateral relations in the form of a MOU with the IEEE Russia Siberian Section and IEEE Thailand Section which, I am pleased to report, has resulted in the extension of the Australian Government's Endeavour Scholarship Program. This year, the IEEE NSW and Russia Siberian Section jointly ran the Russia and Pacific Conference on Computer Technology and Applications which attracted much media attention in Russia, with TV, radio and newspaper coverage.



David Tien meets with Russian media

Last but not the least, I would like to thank all of you for your support and wish you a happy festival season.



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

2. News in Brief

2.1. Visit to Charles Sturt Wagga Campus

In order to promote IEEE activities beyond Sydney, the Executive Committee held a meeting in Wagga Wagga, NSW, on 1 November 2010. The trip was a great success with our members treated to a tour of the Charles Sturt University campus and more importantly a tour of the University's winery! Thanks to all involved in coordinating the event.



Wine tasting

2.2. Women in Engineering (WiE)

To support an effort to form the WiE affinity group, IEEE NSW Section invites female IEEE members to sign a petition which will be circulated at the dinner following the 2010 AGM. This is our last effort to form this group and only six signatures are required.

The objective of WiE is to form a support group for female IEEE members, facilitating emotional and moral support

to enhance quality of life. Once the group is formed, IEEE NSW will dedicate some money to support members on functions such as social gatherings and the like.



Kim Chin vsigma@optusnet.com.au
WiE Group Leader, NSW Section

2.3. IEEE History and Heritage

As a member of the IEEE, your member logon will allow you to access the IEEE Global History Network. The Global history Network has been setup to capture anecdotes and oral histories of individuals, sections, chapters and pretty much anything else that falls in the historic or heritage area. Importantly, and many ignore this, the things that happened yesterday are now history and hopefully a spark inside each of you may stir enough for you to logon to the GHN and add something. This can be to an existing page, or indeed, start a new page with your pet interest.

To find it, just type "IEEE GHN" into any good Internet search engine and proceed with your normal logon.



David Burger k3hz@ieee.org
Historian 2010, IEEE NSW Section

2.4. Sydney University Survey

The University of Sydney is currently conducting an online survey about how Australian enterprise-level ICT decision makers think about privacy issues when considering cloud computing services - such as the use of hosted services in 'the cloud' e.g. Google for documents and email, Salesforce.com, Project Insight for project management, and more recently complete Internet-based IT platforms such as Amazon EC2 or Microsoft Azure. The link to the online survey is:
http://www.cs.usyd.edu.au/~dbrg/privacysurvey_enterprise/

Please be so kind to pass this information on to anyone you consider would be interested in completing the survey. No identifying personal details will be collected

and your responses are kept anonymous. We estimate that the survey will take no more than 20 minutes to complete.

If you are interested in this topic from a more personal point-of-view as Internet user yourself, we also do a complementary survey on the privacy awareness of Australian Internet users. You can find that end-user survey [here:](http://www.cs.usyd.edu.au/~dbrg/privacysurvey_user/)
http://www.cs.usyd.edu.au/~dbrg/privacysurvey_user/

Thanks you for your time and participation!

2.5. Life Members

We held our first meeting of the year on the 23rd of September to hear Arek Sinanian's lecture entitled Climate Change Burden or Responsibility? Six Life members registered for the meeting but only three joined us along with 105 other members from IET, Engineers Australia and IEEE. Arek is an international expert on greenhouse gas abatement, carbon accounting, cleaner production and sustainable development.

You should have by now received your IEEE membership 2011 Renewal Notice. Life Members have been invited to pay a voluntary contribution to the IEEE Life Members Fund. You may have also received an orange card from George McClure, Chair of the 2010 IEEE Life Members Committee, with the following message:

In commemoration of the many engineering feats our members helped make possible, and to recognize donors to the EE Life Members Fund, the IEEE Life Members Committee is offering the Electronic Numeric Integrator & Computer commemorative coaster. This is the fourth in a series of limited edition pewter coasters, each depicting historic IEEE Engineering Milestones.

To receive your 2010/2011 coaster, simply make a gift of US\$100 or more specifically to the IEEE Foundation – Life Members Fund (LMF). If you do not yet have your IEEE Life Member pin, a gift of US\$150 to the LMF entitles you to both the pin and the coaster.

Please support future achievements by giving back to the LMF when you return your annual membership profile or visit www.ieee.org/donate.

For further information, e-mail donate@ieee.org.

I look forward to our next meeting, which will be held at the Shangri-La Hotel, 176 Cumberland Street, The Rocks, on Friday 26 November at 6:30pm prior to the AGM. Life members and their partners who have not been able to attend an AGM or the dinner since becoming life members are entitled to have two free tickets to the Annual Dinner which follows the AGM. Please contact me

on 9418 8695 so we can manage the numbers intending to take up this benefit.



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

2.6. Engineering Colloquia Update

The IEEE Student Branch at Macquarie University has been involved in many professional activities in 2010. Most notable and innovative is the *Macquarie University Engineering Colloquia (MQEC)*, a seminar series technically and financially sponsored by the IEEE NSW Section. The MQEC has become a regular forum for lectures beneficial to engineers and engineering students, given by internal and external speakers with diverse backgrounds. The refereed abstracts of the lectures will soon be published on-line in the *Proceedings of Macquarie Engineering Colloquia*. The seminar notifications, abstracts and speaker biographies are being posted online at www.engineering.mq.edu.au/colloquia. General public, including researchers, scientists, students and engineers are welcome to attend these colloquia. If you wish to nominate a lecturer please contact Professor Karu Esselle (karu@ieee.org) or me (yranqa@ieee.org).

Macquarie University Engineering Colloquia started on 19 February 2010 with a double seminar that included a first presentation given by Dr. Myung H. Sunwoo, a distinguished Lecturer of the IEEE Circuit and System Society and a senior member of IEEE, and the second given by Dr. Stevan Berber, a senior member of IEEE and a member of New Zealand Scientists Association. Around 40 people (including 21 IEEE members and 19 non - members) from around the state, with academic and industrial backgrounds, attended this historical event.

Dr Sunwoo, who is also the Executive Director of IEEK and Chair of the IEEK SOC Technical Committee, presented *Advancements on Promising Low-Power Reusable solutions: Application Specific Instruction-set Processors*. Dr Stevan Berber's lecture on Industry Oriented Research in Multi-User Systems and Wireless Sensor Networks focused on the industry oriented research activities in the field of multi-user systems, starting from general problems in the design and implementation of digital communication systems.

The Institute of Engineers, Sri Lanka (IESL) NSW Chapter jointly sponsored some MQEC events, held in

evenings and targeted for non-experts, including but not limited to practicing engineers of all specializations, undergraduate engineering students and high school students studying Physics. One example is a lecture on Fundamental of Earthing and Lighting by Mr Don Tissa Wijayasinghe, Distribution Manager from Integral Energy Australia. Thirty eight attended this event. Another IESL/IEEE/MQEC public lecture was given by Prof. Karu Esselle of Macquarie University on Capturing, Radiating and Guiding Waves in the Modern Wireless World. Thirty nine attended this highly simplified presentation targeted for general public.



Mr Don Tissa Wijayasinghe



Professor Karu Esselle presenting to captive audience

Other 2010 MQEC lectures by eminent speakers from industry and academics included the following.

- Compound Semiconductor Technologies for Wireless Backhaul : Anthony Fattorini
- Applications of Wideband Semiconductors for Microwave PAs : Francesco Fornetti
- A Holistic Approach to Patent Protection : Martin Friedgut
- Cooperative and Cognitive Radio Technologies: Dr Sithamparamanathan Kandeepan
- Wireless Medical Implant Technologies : Dr Peter

Bradley

- Review of Study Leave Activities: Prof. Graham Town
- Design of High-Frequency Chaotic Signal Generators: Dr Venkata Gutta

The complete 2010 colloquia list will be available at:

<http://www.engineering.mq.edu.au/colloquia/2010colloquia/>

Under the umbrella of MQEC, PhD students and associates (of Macquarie and other universities) also presented their research project outcomes to a wider audience. Such seminars given in 2010 included:

- Phase Noise in Hetero-junction Bipolar Transistors: Oya Sevemli
- Differentially-Encoded Multilevel Block-Coded M-PSK Modulation: Dr Charles Lee
- Miniaturised Printed Monopole Antenna with Extremely Wide Bandwidth: Jianjun Liu
- Practical Aspects of Focal Plane Array Testing: Douglas B. Hayman
- Performance Analysis of Soft Frequency Reuse for Inter-cell Interference Coordination in LTE Networks: Yiwei Yu
- Tunable Periodic Structures: Dushmantha Thalakituna
- EBG-resonator antenna: Dr Yuehe Ge
- Ultra-wideband antennas: Yogesh Ranga

Branch membership numbers have increased since 2008 and as a result we now have more volunteers to organise branch activities effectively. Several branch executives graduated in 2010 and the current committee for 2010 is as follows: Mr. Yogesh Ranga (Chair), Dushmantha Thalakituna (Vice Chair), Yiwei Yu (Secretary), Carl Svensson and Jin Lai, Assoc. Editor of MQEC (Publishing).



2010 MQEC Committee Executives and Volunteers

Many IEEE student branches across Australia and New Zealand have organized an IEEE Student Congress in Melbourne, called ANZCON 2010. It is targeted at all Australian and New Zealand IEEE student members. The objective of this congress is to help students from all Australian and New Zealand Sections to meet, to expand their networks and to share ideas. Students from Macquarie University regularly participate in meetings and discussions related to the organisation of this event. Students from Macquarie University will attend the event in Melbourne in November 2010. Their travel is sponsored by the IEEE NSW Section.

Yogesh Ranga yranga@ieee.org
Chair, MQEC

2.7. Bits and Pieces

The IEEE Foundation established and manages the IEEE-Eta Kappa Nu Restricted Fund that will provide resources to IEEE-HKN in support of its core purpose: to recognize students who have achieved excellence in the IEEE technical fields of interest.

Eta Kappa Nu (HKN), formerly a non-profit, public-service organization comprised of nearly 200 university chapters, is now IEEE's official honor society and an organizational unit of IEEE.

IEEE members can donate to the IEEE-HKN Restricted Fund through the 2011 dues renewal process or visit www.ieee.org/donate.

2.8. Welcome to Our New Members and Upgrade Members

From 1 June to 31 October 2010, we have the following new members or newly upgraded members:

Senior Member Grade

Christopher M Kellett
Kwan Wing Hing Paul
Alexander M Slade

Member Grade

Errol H Pollnow
Md Abu S Miah
Andrew J Kleinert
Manal E Helal
Doan B Hoang
Shanta P Jayawardana
M A Ott
Branko G Celler
Gary A Derbyshire
Andy Cheung
David A Coward
Stephen Gould
Paul Adam Ruskin

Member Grade Cont.

Stephen Gould
Paul Adam Ruskin
Keith Willey
Aous T Naman
Stephen Leslie Tansing
Philip Chung
Glen Preema
Darryn W Lowe
Terng Y Ng
German J Castro
Lei Shang
Dale A Prokopovich
Joao Carlos Aydos
Vivian W Yung
Joshua Ross Wall
Zhen W Chen
Kumudu S Munasinghe
Jie Xu

2.8. Welcome to Our New Members and Upgrade Members (cont.)

Member Grade Cont.

Keith Willey
Aous T Naman
Stephen L Tansing
Philip Chung
Glen Preema
Darryn W Lowe
Terng Y Ng
German J Castro
Lei Shang
Dale A Prokopovich
Joao Carlos Aydos
Vivian W Yung
Joshua Ross Wall
Zhen W Chen
David Tsai
Sean E Luskey
David N Carr
Arun Vishwanath
Lee D Walsh
Qestra Mulqueeny
Douglas J Wright
Eng Hwee Ong
Dody Ismoyo
Jan C Chan
Tarek Taha
Xiaoming Chen
Xiaoke Yi
V Pasupathinathan
Byron N Wicks
Gunawan Herman
Thomas X H Huang
Rachel L Mackie
Wilson Pok
Nicholas J Car
Kai Xian Lai
Rami N Khushaba
Adam M Burke
Alex H Ng
Junghum Yu
Benoy Varghese
Louis H Jung
Gregory Mar
Michael R Narayanan
Liviu Constantinescu
Vidhyasaharan Sethu
Ka Ming Leung
Ante Prodan
Fazirulhisyam Hashim
Paul W Morrison
Wei Li
Duncan McNab
Henra Sung
Alireza Zonnoorian
Terence Chen
Harry Jones
kaushik Kundu
Terry Chien-Jen Yang

Member Grade Cont.

Andrew P Bradshaw
Daniel Bongiorno
Farshad Javadi
Evan Tan
Fan Bai
Feng Li
Yaozhou Ma
Nai Shyan Lai
Weisheng Si
Bang Matt Zhang
Jun Yang
Hamood U R Khawaja
Jesmeen Sultana Keya
Kui Zhang
Gregory Martin Rankmore
Yee Jern Chong
Jianfan Zou
Alfred Krzywicki
robert shuhdi salama
XIN HE
Wee Han Lim
Md. Shafiul A Howlader
Ahmed Fawzi Otoom
Binghuang Cai
Christopher Wright
William Corcoran
Xiaofeng Wu
Nan Yang
Lingxiao Zhou
Amr Al Abed
Craig Wright
Nicholas R J Lawrance
Mark Platt
sarath pathuri
Edwina Mead
Mohammad Choucair
Damian Edguardo Marelli
Boyang Hu
Anne-Marie Charrett
Peter Smart
Iyad Yousef Alsmairat
Corby MO-SZU Fu
Fahd Ayyalil Mohiyaddin
ChiMan Chan
Rodger Paino
Simon Chow
Lukasz Wiklendt
P PHILIPS
ZHI LI
Hao Ye
Anthony Fowler
Joy Deluxon Thiraviarajah
Robert Malcolm Dunn
Jeffrey John O'Neill
Nicholas Yip
Andrew Vieyra
Anthony To

2.8 Welcome to Our New and Upgraded Members (cont.)

Member Grade Cont.

Bao Tran
 Tolga Turegun
 Xianggao Kong
 Yang-Chieh Fan
 Ian Commerford
 Appu George
 Matthew Field
 Haseeb Raza
 Ronan McElhinney
 Artem Parakhine
 SAMPATH NS
 Jason Hambly
 Kyle Seton
 Dean Illfeld
 mehnaz zerin
 Abraham Wile
 Shan Chen
 Lewis Keith Garland
 Lin Wang
 Jeffrey O'Neill
 Tao Tommy Wu
 Carlo Magno
 Adam McNeilly
 Drew Nicholas Sturgiss
 Heba Khamis
 Alan Chiang
 Jensyn Luc
 Tim Ma
 Peter Goreta
 Rowan Humphreys
 Muhammad A Cheema
 Jhoanna R I Pedrasa
 Bachar Adba
 Sachin Tandukar
 Chupendra Pun
 Arati Amatya
 Prashant Giri
 Xiang Li
 Mohan Kumar Upadhyaya
 Vaibhav Samadhiya
 Prakash Pandey
 Rakesh Suwal
 Ram Kumar Bista
 Sunil Bhujel
 Robert Christopher Fearn
 Iman Sadinezhad
 jhaman Advani
 Fawad Nazir
 jaebok lee
 Aman Kewal Dhareula
 Guangquan Zhang
 jignesh patel
 David Boehm
 Ali Bazaei
 Andrew Hill

Member Grade Cont.

Badri Shrestha
 Quang Huy Pham
 Tanbir Rahman
 Andrew Roy Figgett
 Jawad Khattak
 Wessam Baghdadi
 Shiela May Servida
 Daniel Ho
 Saroj Pandeya
 Muhammad Haris Ghaus
 Sareh Mozafari
 Aresh Daruwalla
 Zaw Htoo Aung
 Khaled Alyoubi
 Van Thanh Huynh
 KEYU BAI
 Martin Thompson
 Abdulaziz M Aldukhayyil
 Clinton Peate Allison
 Robert Hayne
 Anastasia Cammaroto
 Mohammad Salay Naderi
 Sherine Micheal Antoun
 Venkatesh Mahadevan
 Jian Jun Zhang
 Daryl Chan
 Gordon James Sutton
 Andrew Gilbett
 Chris King
 Max Carpenter
 Enjie Jing
 Jason Cameron Errey
 Julian Vrbancich
 Peter J Johnston
 Ammar A Manaa
 Gordon Joseph Malouf
 Alyssia Cross
 jon anthony riley
 Novelene Wang
 Min Xu
 D. M. D R Dissanayaka
 Daniel Kukucka
 Ngai Ming Kwok
 Ian Lewis
 Leo Kauhanen
 Lu Wang
 Kameswara S Rachakonda
 Kostya K Ostrikov
 Tri Tran
 David Kenneth Wood
 Catherine Wiles
 Lyria Bennett Moses
 Jason Pieloor
 Philippa Morley
 Stephen Gillies

Member Grade Cont.

Walter Robert Lyall Smith
 Rob Manson
 Monica Ann Murtagh
 Sean Toby Elphick
 Sheng Lin
 Debbie Vivian
 Jianguo Jack Wang
 Peter Sidney Emery
 Kwok Tsang
 Armando Estrella
 Omar Aziz
 Chris Chesher
 Mohammad R Reyhanitabar
 Stephen Robinson
 Mohammed Ajaz Alikhan

Student Member Grade

Chong Han
 Brendan M Harris
 Kiet Tuan VO
 Yogeshwar Ranga
 Mohammad Saab
 David A M McKenzie
 Sy Tien Nguyen
 Alexander Hayes
 Patrick Harrison
 Thanh Duc Nguyen
 Nuwan Shanuk Fernando
 Daniel Matthew Steinberg
 Tianruo Guo
 Zhuoyang Chen
 Jiawei Xie
 Scott Kennedy
 Mohammad Norouzi
 KONGLUAN LIN
 Alain White
 Brett Wayne Grentell
 Travis John Knight
 Kendal R William Smith
 Christian ALEXander Webb
 HERMAN H SINAGA
 Fernando Javier Micheaux
 Nicholas John Anderson
 Feng Bian
 Anup Kale

Grad. Stud. Member Grade

Craig M Johnson
 Keith W Bannister
 Nasir Ahsan
 James F Roberts
 Alan T Murray
 Ronnie Taib
 Donald G Dansereau
 Daniel Tse

Grad Cont.

Nicholas J Webb
 Dale R Bates
 Gilbert H Foo
 Blair D Howarth
 Anthony N Laskovski
 Tuan H Thi
 Hailun Tan
 Ahmad Ali Iqbal
 Robert Barnett
 Yin Chin Choo
 Nagaraj C Shivaramaiah
 Mirosh D Perera
 Anas M Aloudat
 Robbie Burns
 Syed Taha Ali
 Sabbir Hasan Khan
 Dimitri Semenovich
 Timothy Wong
 Abu Ahmad Abdal Rai
 Leon Chun Yin Lo
 HAICHUAN SHANG
 Nitin Nampalli
 PRAJWAL SUBEDI
 Julius Alfa Aseli
 Fei CHEN
 Lei Wang
 Gita K Moghaddam
 LEI SHI
 Yang Xie
 Abdulghani K Aljawi
 Ariell Lee Friedman
 Lashika J Medagoda
 Md Shahriar Rahman
 Changyang Li
 Wan N S W Nik
 Bernhard Mitchell
 ALI AKBAR SAMIRAD
 Qimin You
 Saeid Mehrkanoon
 Xiaochen Huang
 MD FARHAD HOSSAIN
 Liwei Li
 Chenyu Wang
 WEI ZHAO
 Sami saadeh
 Evan Morrison
 Gibson Hu
 Minjie Liu
 Emma McAuley
 Jebrin Al-Sharawneh
 Farzad Sanati
 Arun Babu Thangaraju
 Vitor C Guizilini

2.8. Welcome to Our New Members and Upgrade Members (cont.)

Associate Member

Joshua P Toomey
Victor Rotaru
Matt Hurd
Scott Reader
brian mckean
Kai Zou
Don Truong
Ying Chuen Ho
Benjamin Wang
James Woon
Rattiporn Luanrattana
Craig Jones
Patrick Tong
A K Thevampalayam
Myat Kyaw Lin
Asheerwadam Jannu
Shiv Bhattarai
Steve Olney

Associate Member Cont..

Kundan Pandey
Davinder Singh Saggu
Cameron Martin
Jeeva Bharathi
Michael Matheson
Richard Hickling

Affiliate Member

Franck Poubeau
Saurabh Jain
Andrew Sim
Kyeong Kang
OSCAR MAYORCA
Dahai Li
Junhua Li
Valerie Gay
Liam Douglas Thompson
Min Zhao Wu
Rubesh Kunwar

3. Chapter News

3.1 Joint Photonics/CAS/SSC/EDS Chapter

2010 has been a relatively active year for the Joint Chapter. In summary:

- 19/2/2010 – Professor Myung H. Sunwoo, IEEE Circuits and Systems Distinguished Lecturer, Ajou University, Korea, “Application-specific instruction set processors: promising low power reusable solutions”.
- 18/3/2010 - Professor Tetsuya Mizumoto, IEEE Photonics Society Distinguished Lecturer, Graduate School of Science and Engineering, Tokyo Institute of Technology, "Optical isolator: Application to photonic integrated circuits".
- 7/5/2010 – Dr Peter Bradley, Zarlink Semiconductor, “Wireless medical implant technologies”.
- 5/8/2010 - Professor Juin J. Liou, Pegasus Distinguished Professor, University of Central Florida, “Electrostatic discharge (ESD) challenges in modern and future integrated circuits”.
- 20/10/2010 – Dr Steve Frisken. Site visit and tour of Finisar Australia Pty Ltd. Many thanks to Dr Steve Frisken for his insights into Finisar’s world-leading ROADM products, and for the tour of the factory.
- 28/10/2010 – Dr Peter Bradley, Zarlink Semiconductor, “A New Standard for wireless medical body area networks: IEEE 802.15.6” (Joint Electrical Institutions lecture).

The visit and lecture by Prof. Liou prompted a move to expand the joint chapter to include the Electron Devices Society. The expansion was approved by the Section following an email poll of members, and at time of writing is being formalised by the IEEE Geographic Activities Department. The change will provide access for EDS members to the activities of the Joint Chapter, with which there are clear synergies.

Other news is that the local Joint Chapter supported the Australian bid for ISCAS, which will be coming to Melbourne in 2014 – congratulations to Professor Jack Singh for his efforts in coordinating the bid. The local Joint Chapter is also sponsoring the 3rd Asia Pacific Optical Sensors Conference, to be held in Sydney in February 2012.

By the time members receive this issue of Circuit the only outstanding business for the year will be the Annual General Meeting for the Joint Chapter, to be held 30 minutes before the NSW Section AGM. The position of Chairperson and Secretary of the Joint Chapter will be open for nominations. I encourage any members wishing to contribute their time and enthusiasm to the Joint Chapter in 2010 to nominate. Please refer to details elsewhere in this newsletter for the time and location of the Section AGM – if you are unable to attend the AGM please email nominations to me at graham.town@mq.edu.au.

Lastly, a reminder to please keep your IEEE profile (especially email address) up to date. Also, please feel free to contact me with suggestions for technical meetings and other activities. I look forward to seeing both old and new members in the New Year.



Professor Graham E. Town gtown@ics.mq.edu.au
Chairperson, IEEE Local Joint Chapter
Photonics/CAS/SSC/EDS

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 (2010/2011)	Event/Meeting/Conference	Speaker	Host	Contact	Venue
25 Nov 2010	Tunnel Lighting Techniques	John Rogers	IET	A Sangster	EA Auditorium
26 Nov 2010	IEEE NSW AGM and Dinner		IEEE	Eddie Fong	Shangri-La Hotel
30 Nov 2010	Electrical Eng of the Year	K Brown	EA	Allan Sangster	EA Auditorium
10 Feb 2011	Wireless Body Network 802.15.6	Peter Brady	IEEE	Eddie Fong	EA Auditorium

***Circuit* reaches over 2400 IEEE members in NSW.**

For advertising in *Circuit*

Please contact:

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

6. IEEE NSW Section 2010 Annual General Meeting Reservation

Date: Friday, 26 November 2010

RSVP: Friday 19 November 2010

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

Venue: Shangri-La Hotel, Sydney 176 Cumberland St, Sydney NSW 2000
(02) 9250 6000 – web: shangri-la.com

Hotel Room: Special rate of \$320 Deluxe King Room subject to availability (mention IEEE when booking)

Car Park: \$39 car park in the hotel subject to availability

IEEE will cover the cost of your dinner (partner included) for all registrations received before the RSVP date above. However, a cost of \$85 will be charged to your credit card in the event of cancellation after 19 November 2010

Reservation Form

.....

Name:.....**Tel:**.....

Membership No.:.....

Partner Attending:.....(Yes/No as applicable)

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

Credit Card No.:..... (as mentioned above these details will only be used in the event of cancellation after 19 November 2010)

.....

Kindly e-mail completed form or phone through your reservation by 19 November 2010 to Eddie Fong:

E: eddiefong@ieee.org

P: 0413777511



TWELFTH AUSTRALIAN SYMPOSIUM ON ANTENNAS

Curzon Hall, Sydney

16–17 February 2011

<http://research.ict.csiro.au/conferences/asa>



Call for Papers

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 a paper on a topic of current interest.

- Full registration costs \$350 and \$250 for students and retirees (GST inclusive), if prepaid prior to 19 January 2011.
- A \$600 prize will be awarded for the best student presentation.
- Papers are required by 26 November 2010.
- See website for registration and submission of papers. For further information, contact Ms Dallas Rolph (02) 9372 4289, fax (02) 9372 4446. email: dallas.rolph@csiro.au

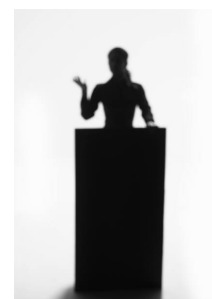
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- Enthral your audience
- Prepare and deliver effective presentations easily
- Even enjoy the whole experience



Call 0411 238 494

10% discount for courses booked by IEEE members, for themselves or their staff.