IEEE
Advancing Technology for Humanity

CIRCUIT

The Institute of Electrical and Electronics Engineers, Inc.

Volume 38   Issue 1   *March 2011*

Contents

Editorial

Thanks to all who attended the AGM and Dinner last November. It was fantastic to see so many faces and meet many of you for the first time.

Incoming Chair, Eddie Fong, addressing members

You will see that this month's edition of Circuit is packed with content, reflecting the substantial level of activity and member participation within the NSW Section. This is great to see. As always, please feel free to e-mail me any suggestions for stories or advertisements that you would like to place in Circuit.

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

1. Message from the Chair

On behalf of the IEEE NSW Section, I wish all NSW IEEE members a happy New Year. And for our Chinese members, warm greetings for a happy and prosperous Lunar New Year as we usher in the Year of the Rabbit.

I would like to take this opportunity to thank past Chair, David Tien, and his team for their excellent work over the past two years. They have achieved many milestones, especially in signing MOUs with Russian and Thailand Sections for conference and technical R&D collaborations. If you are interested in these areas of involvement, please contact me or David Tien (dtien@csu.edu.au).

I would also like to thank members for their support with the Section activities, particularly those members who took time to attend the AGM 2010. I have received feedback from many members that they greatly enjoyed the 2010 AGM and Dinner and I will do my best to ensure that this year's AGM and Dinner continues to meet members' needs and expectations. I am sure the 2011 Section Committee members and IEEE members will continue their support to make 2011 another successful year.

My heartiest congratulations to the 2011 Executive team consisting of Ian Boyd, Section Vice Chair, Antony Zaglas, Section Secretary and John Robinson, Section Treasurer. I look forward to working with them to provide more benefits and activities to all members.

Late last year, a number of IEEE NSW Committee members worked together with IEEE Headquarters and Australia Council on the IEEE job and TV initiatives. We also met Gordon Day, President Elect 2011 on 1 Dec 2010. We look forward to having more activities with IEEE HQs to bring more interesting activities to NSW members in 2011. If you have any specific needs or concerns, please feel free to contact me. This is your Institute and the Section members are here to serve you.

I would also like to remind you that the Section Committee meets on the first Monday of each month at 7pm at TAFE North Sydney Library, for about two hours. I encourage you to join us to create a stronger Section and to contribute to the various activities. As the venue might change due to TAFE school holiday closures, please contact Antony Zaglas antonyz@ieee.org prior to the meeting.

Eddie Fong eddiefong@ieee.org
Chair, NSW Section

2. News in Brief

2.1 Awards and Recognition

On behalf of the NSW Section Committee I wish to congratulate John Robinson on receiving the Region 10 Outstanding Volunteer award for 2010.
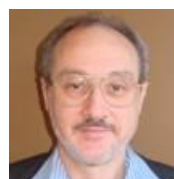
John has served on the Section Committee for more than 30 years in many capacities, a summary only of his services is listed below:

Joined the Section Committee in 1980
Section Treasurer 1990 - 1998
Section Chair 1999 - 2000
Australia Council Chair 2003 – 2004
Secretary/Treasurer PES Chapter 2006 - 2007
Chair PES Chapter 2008 - 2009
Chair Life Members Affinity Group 2008 - 2010

John was also instrumental in the addition in 2009 of Oceanic Engineering to the joint Communications/Signal Processing Chapter. John also organised, and assisted with, several Distinguished Lecturer Visits and was a key organiser in Conferences held in Sydney including GLOBECOM 98 and PICA 2001. He also periodically served as NSW Section representative on the joint technical lecture program with Engineers Australia (EA) and the Institution of Engineering Technology (IET).

John has always been willing to volunteer his services to the NSW Section as evidenced by his acceptance of the Section Treasurer position for 2011. He has always discharged his duties in a highly professional and organised manner.

In performing his work for the Section, John has always had the support and assistance of his wife Olivia and I wish to thank both John and Olivia for their outstanding work for the Section and wish them both all the best for the future.

Tony Zaglas antonyz@ieee.org
Awards and Recognition

2.2 ANZSCON

IEEE Australia and New Zealand Student Congress (ANZSCON) was held in Melbourne last November. Congress was hosted by IEEE Victorian section with the support of IEEE Australia Council. The main objectives of the Congress were to bring students and GOLD members from all Australian and New Zealand Sections together, expand their networks, share ideas and discuss employment and/or further study opportunities. Congress was well attended with representation by Australian and New Zealand universities, academics, industry sponsors and other IEEE members during the three days. Congress was sponsored by over 10 industry sponsors.

The Three day congress started with a welcome reception on 24 November at the Ibis Hotel in Melbourne. The second day started with the opening address by the IEEE ANZSCON Chair Julia Gibney, followed by a key note speech from Joseph V Lillie key entitled "IEEE for You and the world". Other interesting speeches from distinguished lecturers, IEEE members and industry sponsors filled the remainder of the second day, concluding with a formal dinner.

ANZSCON participants

On the last day IEEE gold representative Matthias Reumann gave an exciting talk on "The GOLDen years: A time full of transitions". The afternoon session started with an employer forum which allowed students to network and exchange ideas with several industry employers. The Project Poster Competition

was also held with around fifteen to twenty projects presented. The Competition was well attended by students, academics and industry sponsors. The judging panel for the poster competition was made up of three judges selected from industry, Academia and IEEE and prize money was awarded to the top three entries selected on the day. In addition there were several interesting talks running in a parallel session on Innovation and Entrepreneurship Based on an Experience from 1492 by Terry Polkinghorn, GINI (Global Integrated Network of IEEE Students) Workshop by Chuan-Zheng Lee and Humanitarian Technology Hour by Amarnath Raja. Three day congress concluded successfully with closing comments on 26th November evening.

Mr. Dushmantha Thalakotuna from Macquarie University presenting the poster

This year the ANZSCON 2010 organizing committee composed of over 25 IEEE student volunteers from Australia and New Zealand universities. From New South Wales, Yogesh Ranga (Chair of the IEEE Student branch, Macquarie University) and Dushmantha Thalakotuna (Vice Chair) volunteered to organize the event. IEEE NSW Section sponsored Yogesh and Dushmantha to attend the Congress.

ANZSCON 2010 was a successful and valuable event for students from Australian and New Zealand universities. The event raised awareness of the global IEEE student member benefits and facilitated a good opportunity for IEEE volunteers to exchange and discuss ideas and practices for running student branches, with particular reference to the unique context in Australia and New Zealand. Further information about the congress can be found at the ANZSCON 2010 official website http://anzscon2010.ieeevic.org/.

Yogesh Ranga
Chair IEEE Student branch, MQ University

Dushmantha Thalakotuna
Vice Chair

2.3 GOLD Affinity Group

I would like to extend an invitation to all NSW GOLD members to volunteer for positions as Affinity group Officers in 2011. The term of office will be from January to December 2011, with a maximum two year term. Positions available are Chair, Vice Chair, Secretary and Treasurer.

Members interested in any of the above positions should contact the NSW Section Secretary Antony Zaglas: antonyz@ieee.org

Mohamed Nassereddine
NSW GOLD Affinity Group Chair 2010

2.4 IEEE Society on Social Implications of Technology (SSIT) returns to Sydney

IEEE SSIT Australia was chartered in December 2005, and is a national chapter exploring social implications of technologies. SSIT has convened meetings on a variety of topics including engineering ethics, water policy, energy policy, climate change, privacy, broadband regulation and cyborg implants. SSIT relaunched in Sydney in September 2010 with a technical meeting on the topic *ISP-level Internet Filtering: The Path to Deep Packet Inspection?* The new Sydney co-ordinator for SSIT Australia, Dr Lyria Bennett Moses, is planning further Sydney technical meetings in 2011. The next meeting is on Monday 21 March 2011 on the topic *The Internet's Off Switch: Wikileaks, Arab protects and beyond.* The speaker is Narelle Clark, Vice President of the Australian chapter of the Internet Society (umbrella organisation to IETF and IAB). Further details are available in the flyer appearing in this edition of Circuit. Anyone with suggestions for future topics for SSIT or wishing to join the mailing list for future events, please contact lyria@unsw.edu.au.

2.5 Education Chapter

I would like to extend an invitation to the NSW Education Chapter members to volunteer for positions as Chapter Officers in 2011. The term of office will be from January to December 2011 with a maximum two year term. Positions available are Chair, Vice Chair, Secretary and Treasurer.

Members interested in any of the above positions please contact the NSW Section Secretary Antony Zaglas: antonyz@ieee.org.

Dr Jun Shen
NSW Education Chapter Chair 2010

2.6 IEEE.tv

In December 2010, IEEE.tv came to Australia to document Australia's involvement in solar technology for the documentary, "Catch the Sun. This documentary focuses attention on technological innovation and creative public policy that has led to the creation of the solar industry worldwide. In addition to Australia, locations for this documentary include China, Japan, India, the United Kingdom, Germany, Denmark, Spain, as well as the United States.

IEEE staff member, Helen H. Fung, worked with the producer Peter Wiesner, to set up interviews with Australian technical leaders in solar energy research, including Dr. Martin Green, who has received numerous awards for his work on photovoltaics, including the prestigious 1990 Cherry Award.

Interview with Dr. Martin Green

Peter and his Sydney-based crew, Brandon Batton and Leo Sullivan, documented work at the UNSW labs and visited one of the largest commercial solar installations at the Sydney Theatre Company. Afterwards, the crew drove to Newcastle to record scientists at CSIRO. Highlights included a demonstration of the solar tower and of the integration of intermittent wind and solar energy sources at the CSIRO Renewable energy Integration Facility.

Interview with Chris Fell at the CSIRO Solar Tower

After recording in the Sydney area, the producer and crew travelled to Adelaide to record interviews with researchers at Adelaide University, Unisa, and University of South Australia, as well as with entrepreneurs from Zen who have developed a solar farm for the Monarto Zoo near Adelaide. IEEE.tv covered the ceremonial dedication at the zoo by Quentin Bryce, Governor of South Australia.

The IEEE.tv documentary on solar energy, intended for wide public distribution, will be the second in a series of programs on renewable energy. The first program, "Winds of Change," is in distribution and can be viewed on IEEE.tv, IEEE's video streaming service. The entire program can be seen on IEEE.tv. Go to www.ieeetv.ieee.org.

2.7 Visit by IEEE Top Volunteer Executives

On 1st December 2010 the IEEE NSW Section was privileged to receive both the candidates from the just completed IEEE Presidential election. One was the IEEE 2011 President elect Gordon Day. Gordon will be President in 2012. The second was highly respected IEEE volunteer Joe Lillie.

Gordon Day spent most of his career in research and management at the National Institute of Standards and Technology, where he founded and led the NIST Optoelectronics Division. More recently, he has served as science advisor to a U.S. Senator and as Director of Government Relations for the Optoelectronics Industry Development Association. He is a past President of the IEEE Photonics Society and of IEEE-USA, and a Fellow of IEEE, the Optical Society of America, the American Association for the Advancement of Science and the Institute of Physics in the UK.

Joe Lillie has 37 years experience in telecommunications engineering and management with most of his career at Bellsouth/AT&T. After retirement, he returned to AT&T in 2005, working on Hurricane Katrina restoration. He has served six years on the IEEE Board of Directors, two years each as Region Director, Treasurer, and Vice President for Member and Geographic Activities. He has also served seven years on the IEEE Finance committee.

The Section Executive Committee with chair for the night, 2011 Section Vice-Chair Ian Boyd, both entertained and held discussions with the visitors at the Baia Restaurant in Darling Harbour. A number of special subjects were raised with the President elect which should be of relevance to Australian IEEE members. One was of course relations with the local professional bodies Engineers Australia and ACS. Gordon Day had in fact just come from discussions

with Engineers Australia in Canberra. Canvassed in detail was the current and future state of the IEEE, including the very pleasing growth in IEEE membership over recent times.

Debbie Lillie, Joe Lillie, Graeme Gwilliam and John Robinson

From left, Joe Lillie (just visible), Graeme Gwilliam, John Robinson, Graham Town, Ian Boyd, Gordon Day, Ramona Zakarevicius

Those present included:

Gordon Day (IEEE 2011 President-Elect, to be 2012 President);
Joe Lillie (2009-2010 IEEE Foundation Director and Treasurer, and Presidential election "runner-up");
Debbie Lillie;
Ian Boyd (NSW Section Executive 2011 Vice-Chair);
Tony Zaglas (NSW Section Executive 2011 Secretary;
John Robinson (NSW Section Executive 2011 Treasurer);
Bruce Poon (NSW Section Membership Development);
Graham Town (Chapter Chair);
Graeme Gwilliam (NSW Section Nominations);
Ramutis (Zak) Zakarevicius (Awards and Recognition);
Ramona Zakarevicius;
Alan Harvey.

2.8 IEEE NSW Vice-Chair Honoured as ACS Fellow

On 26th October 2010 IEEE NSW 2011 Vice-Chair Ian Boyd was elected Fellow by the National Board of the ACS. Ian thus joined the list of IEEE members who have been honoured as Fellows by the ACS. The ACS (Australian Computer Society) is an Australian professional association for those working in Information and Communications Technology. An ACS Fellow is a person who has made a distinguished contribution to the field of Information and Communications Technology in Australia. ACS NSW Chair Patrick Wilson said in presenting the award "it is easier to pass through the eye of a needle than to become a Fellow of the ACS".

Ian (picture right) was presented with a lengthy citation attesting to his distinguished contribution to the field of Information and Communications Technology. Part of this Citation reads "Ian Boyd has been a devoted advocate of ICT in industry through his leadership role in the Institute of Electrical and Electronic Engineers (IEEE)". The award was also announced in the January-February 2011 issue of "Information Age".

Ian is currently Vice-Chair of the NSW Section. He has served as Treasurer of the NSW section for three years, as Secretary of the IEEE Australia Council for two years and as Vice-Chair of the IEEE Australia Council for two years.

2.9 Vale John Bennett

Former IEEE Life Member, Emeritus Professor of Computer Science, John Bennett sadly passed away at his home in Sydney on 9 December 2010.

John was one of the pioneers of the information technology industry in Australia. John received degrees in Electrical and Mechanical engineering from the University of Queensland, and a PhD in Computer Science from Cambridge University - where he had been involved in the design and construction of the early EDSAC computer. In 1956 he returned to Australia to manage the software and guide future users of Sydney Universities' newly Australian built SILLIAC computer.

John became the Foundation Professor of Computer Science at the University of Sydney, and in 1972 he became head of the new Basser Department of Computer Science.

He was also the Foundation Chairman of the Australian Committee on Computation and Automatic Control from 1959 to 1963, the President of the New South Wales Computer Society from 1965 to 1966, and the Foundation President of the Australian Computer Society from 1966 to 1967. In 1981 he helped found the Research Foundation for Information

Technology at the University. In 1983 he became an Officer of the Order of Australia (AO). In 1986 Bennett, aged 65, retired.

John Bennett and the University of Sydney's SILLIAC computer, 1956 - Photo: National Archives of Australia

In spite of his record, John never became an IEEE Fellow. When approached by the IEEE NSW Section in 2002 for nomination as an IEEE Fellow, John replied: "I am now in my 81-st year. I suggest someone younger would be more appropriate."

John lived with his wife, Rosalind Mary (née Elkington), in Sydney's Northern Beaches. He had four children and six grandchildren.

2.10 Australia Council Members for 2011

As follows:

Elected Officers for 2011-12
- Chair: Arek Dadej <Arek.Dadej@unisa.edu.au>
- Vice Chair: Zia Ahmed <zia.ahmed@ieee.org>
- Secretary: Horace King <horace1@ieee.org>
- Treasurer: Paul Kubik <Paul.Kubik@team.telstra.com>

Section Chairs for 2011:
- ACT: Martin Leaver <martinleaver@optusnet.com.au>
- NSW: Eddie Fong <fong_eddie@yahoo.com.au>
- Northern Australia: Mohan Jacob <mohan.jacob@jcu.edu.au>
- Qld: Roelof Swanepoel <roelofs@ieee.org>
- SA: Andrew Piotrowski <Andrew.Piotrowski@dsto.defence.gov.au>
- Vic: Paul Kubik <Paul.Kubik@team.telstra.com>
- WA: Valerie Maxville <maxville@ivec.org>

2.11 MQ Engineering Colloquia Update

In an icebreaking series of talks organised at Macquarie University under the Macquarie University Engineering Colloquia (MQEC), various interesting topics were covered.

We started our series of talks with a presentation entitled "Electrostatic Discharge (ESD) Challenges in Modern and Future Integrated Circuits" by Dr. Juin J. Liou. Dr. Liou served as the IEEE EDS Vice-President for Regions/Chapters, IEEE EDS Treasurer, IEEE EDS. We also had a talk from Irina Rabeja entitled "Image Compression Techniques". Irina serves as a consultant to the Institute of Research in Chemistry, Romania. Professor Andrew Dzurak presented some of his latest research work in a talk entitled "Single-Atom Nanoelectronics and Spin Qubits in Silicon".

We recently had Associate Professor Ladisulau Matekovits present on "Periodic Structures in the Field of Antennas: a Challenging Subject". Another recent talk was entitled "Technologies for Radio-Based Imaging Systems of the Very Large and Very Small Kind" by Dr. Andrew Helicar. A/Prof Matekovits is a Marie Curie Fellow at the Macquarie University. He is also serving as faculty at Electronics Department of the Politecnico di Torino, Italy. Dr. Matekovits is the recipient of a Raj Mittra Travel Grant (RMTG) - Student Researcher Award for participating in the 1997 IEEE AP-S International Symposium in Montreal, Canada; of a 1998 URSI Young Scientist Award (Thessaloniki, Greece); of the Barzilai Award 1998 (young scientist award, granted every two years by the Italian National Electromagnetic Group); of a 10th MICROCOLL Young Scientist Award 1999 (Budapest, Hungary), and of the Best AP2000 Oral Paper on Antennas, ESA-EUREL Millennium Conference on Antennas & Propagation (Davos, Switzerland).

More details including complete abstracts and biographies of the above are available at: http://www.engineering.mq.edu.au/colloquia/2010colloquia/

**Yogesh Ranga
Chair, MQEC**

2.12 Membership Development

As at the end of January 2011, we had recorded a total of 2,706 active members (including affiliate members). This represents an increase of 136 members when compared to the same time last year.

In 2010, we had 69 students take up our free student membership offer. Out of those 69 students, we were

pleased to see that 65 elected to renew their membership in 2011. As such, we will continue to offer free student memberships. A flyer is attached to this edition of Circuit.

For members who are qualified to be senior members, I would urge you to upgrade to senior grade in order to boost the status of our section. To upgrade to senior member, you will require three referees. However, if you are being nominated by the section, only two referees are needed.

The "IEEE Job Site Career Alert" is now available and members should soon receive an e-mail with further details. The Alert is sent out bi-weekly by the editors of IEEE spectrum and reports on jobs, education, management, and the engineering workplace in general. This report is an additional member benefit which we hope will have a positive impact on their career, education & workplace.

Bruce Poon adsphere@optusnet.com.au
Membership Development Chair, IEEE NSW Section

2.13 Welcome to our New and Upgraded Members

From November 2010 to February 2011, we have the following new and upgraded members:

Life Fellow
  Graham C Goodwin

Life Member
  Robert Zenger
  A R Logie
  David A Coward
  Roger N Caffin

Fellow
  Nigel Lovell
  Seyed O Moheimani
  Anthony K Milne

Senior Member
  Pradeep K Ray
  Mohammad Salay Naderi

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

Member Grade	**Associate Member**
David L Hewish	Vladimir Z Tosic
Mary-Anne Williams	Yusuf Pisan
David C Rye	Asghar Tabatabaei
Michael J Aikins	Harold Brown
Phillip J Mckiernan	Raymond King
Allan Reid	Daniel Paludi
Mike Wu	
Eren Dogan	**Graduate Stud Member**
Fang Chen	Darryn W Lowe
Ido Nevat	Vivian W Yung
David J Schwartz	David N Carr
Kwan Sin Gudiva Lee	Lee D Walsh
Keka Dewanjee	Dody Ismoyo
Timothy J Parsley	Sridhar Reddy Pulikanti
Saul S Carroll	Bingxuan Xie
Li Li	Leon K Macdonald
Cibby B Pulikkaseril	Benoy Varghese
Vyomesh M Sharma	Louis H Jung
Tao Yang	Liviu Constantinescu
Victor Rotaru	Wei Li
Jonathan David Point	Md Shahidul Islam
William Michael Outram	Evan Tan
Palitha Kuruppuarachchi	Basem Suleiman
Alan Dyer	Nusrat Ahmed Surobhi
Nicholas Manning	MD TANVIR YEASIN
Benjamin J D Davies	Nicholas R J Lawrance
Prabal Datta Barua	Boyang Hu
Andrew W Marriott	Anthony Fowler
Mick Tyler	Terence Chen
Benhur Balaba	SHAN CHEN
Louis Albert Droguett	Chao Sui
Farhad Azizian	Alan Chiang
Madhu Goyal	Rowan Humphreys
Sarath Kodagoda	Muhammad Aamir Cheema
Benjamin James Rogers	Iman Sadinezhad
Masoud Rasouli	WENFEI WANG
Anthony Buckton	Aresh Daruwalla
Zoltan Pal Erszenyi-Koncz	Marcel Julliard
Matthew James Hayes	Raheleh Nazari
Nicholas Dandy	Boney Mathachen Mylady
Mervyn Lindsay	Kuang Yee Teng
Scott Case	Saber Jafarizadeh
Wenjie Zhang	Stephen Cossell
Marko Mojsin	Martin McGrane
Jatinder Kumar	Smitha Shivshankar
Grant William Keedle	BIN DUO
Gerald Thomas	Md. Jan-E- Alam
Robert McWhirter	

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

Graduate Stud Member

Yifei Lu
Ying Liu
Dong Niu
Jose F Zubizarreta
Shuang Tian
Qinghua Lu
Seng Keat Gan
Zhe Xu
Madu P Hemakumara
Alistair Reid
Jia Min Karen Kua
Salem M Alshibani
V Thiruvarudchelvan
P Jiranantanagorn

Student Member

Peter W Davidoff
Cathy Liu
Mochammad Rusli

Student Member Cont

Robert Edward Douglas
Webster
Gitanjali Pradhananga
Kylie Amanda Upton
James Luke Coyte
Adam James White
Manuel Fabiao Dionizio
Peter Steve Stratilas
Siavash Bayat

Affiliate

Alfredo Huete
Leopold List
Brian Farquhar
Vlad W Wietrzyk
Gail L Wilton
Elaine M Lawrence
Johnny Dong
Brandon Sherriff

3. 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 http://www.engineersaustralia.org.au/events/events_home.cfm to prevent any potential disappointment due to last minute changes.

Date (**2011**)	Event/Meeting/Conference	Speaker	Host	Contact	Venue
24 March	Protection for Arcing Hazards	Dr David Sweeting	EA	John Upali	EA Aud
14 Apr	Solar Energy Technology	Anthony Froelic	IET	John Upali	EA Aud
28 April	Electrical Power Measurements	Dr Llay Budovski	EA	Yi Li	EA Aud
12 May	Visit to Macquarie Hospital	Graham Town	IEEE	Graham Town	On Site
26 May	Oceanography/Ocean Eng. Soc.	Brian Ferguson	IEEE	John Robinson	EA Aud
23 June	Baslink Experience	Mr Malcolm Eccles	EA	G Fox	EA Aud
14 July	Smart Grid	Keith Hoffman Parsons	IET	John Upali	EA Aud

Advertising :- (please contact markomally@ieee.org for advertising enquires)

IEEE

Limited Offer*

If you are a 3rd, 4th or a post-grad student in 2011

The IEEE NSW Section will sponsor your IEEE student membership!

Instructions:

1. Go to www.ieee.org/join and register as Student Member.

2. Type in all your details, on the check-out process, press 'Print & Mail/Fax order' instead of 'Proceed to checkout' And then from your browser menu print to PDF.

3. Deadline for submission is 4:00pm on 31 March 2011.

Ensure your postal address and contact details will <u>valid for the next 12 months</u> or more. Instead of sending the form to IEEE HQ USA, please send a PDF copy of this application and a copy of your current student card** to:

Dr Ali Hellany ------ IEEE NSW Section Student Activities Chair
University of Western Sydney, School of Engineering
Locked Bag, 1797 Penrith South DC
NSW 1797, Australia
e-mail: a.hellany@uws.edu.au

* This offer excludes membership to individual IEEE societies. You may purchase these separably. This offer is valid and available only to students located in New South Wales. It is limited to a maximum of 200 students on a first comes first served basis. This sponsorship is for the First year of membership only, current IEEE student members are not eligible.
** Please attach a copy or your current student card.

IEEE Advancing Technology for Humanity

IEEE Society on Social Implications of Technology and

the *Internet Society* present

isoc -au internet society of australia

THE INTERNET'S OFF SWITCH
WIKILEAKS, ARAB PROTESTS & BEYOND

Narelle Clark, Internet Society (umbrella organisation to IETF and IAB)

Melbourne

Tuesday 15th March 2011

5.30 for 6.00pm

The Spot - Level 1 Lecture Theatre

Economics & Commerce Building (stairs or lift to Level 1)
198 Berkeley St (cnr Pelham St), South Carlton
RSVP: Michael Arnold, mvarnold@unimelb.edu.au

Sydney

Monday 21st March 2011

5:30 for 6:00pm

Google Australia

Level 5, 48 Pirrama Rd,
Pyrmont
RSVP: Lyria Bennett Moses, lyria@unsw.edu.au

Public welcome—no entry charge

The Society on Social Implications of Technology (SSIT) is part of the Institute of Electrical and Electronic Engineers, a 400,000-member worldwide organistion of engineers and other technologists. Its motto is "Advancing Technology for Humanity".

Over recent times we have seen large scale disconnection from the Internet, country-wide domain name and application blocking, domain name seizures, content filtering and talk of an Internet kill switch. How do we separate the reality and effectiveness of what is possible from media reports and political dreams? In this talk Narelle will review the technical accounts and analysis of recent events and pose some questions on the potential for Australia and the region.

Narelle Clark is an Internet and telecoms specialist with over 20 years experience. As a board member of the global Internet Society Narelle has formed close connections with Internet users, operators and activists around the world. ISOC is the organisational home of the IETF, IAB and IANA and also operates the *.org domain through its Public Interest Registry, and actively contributes to the development of Internet related policy around the world.

Narelle is also Vice President of the Australian Chapter of the Internet Society, a member of the IEEE and its Communications Society, and has degrees in physics, engineering and management.

Founded in 1992, the Internet Society (ISOC) is a nonprofit organisation to provide leadership in Internet related standards, education and policy, and has over 80 chapters around the world.

Faculty of Science
Department of Information Systems THE UNIVERSITY OF **MELBOURNE**