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IEEE NEW SOUTH WALES SECTION ARBN 078 576 495 ABN 34 078 576 495 Editor: Trevor Bird

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1. CHAIR'S COLUMN

The topic of what value IEEE membership has is often debated. For practicing electrical engineers and computer scientists, it offers international recognition as well as providing valuable technical and professional information to keep us up-to-date. IEEE also provides a network of contacts that are able to assist in making connections and finding people with mutual interests. For students and recent graduates, IEEE is a good way to build up a knowledge base and a network to help develop the early stages of a new career. The

NSW Section has been active in developing its contacts with student branches to try to rejuvenate our student networks. To this end, Stephanie Boyd, as NSW Section Student Activities Coordinator, has nurtured contacts with our student branch Chairs and Vice-chairs, and at the last Executive Committee Meeting we approved a 'branch mentor' scheme to help support our student members. We have funded the attendance of two of our student leaders at the Region 10 Student Congress in Hong Kong, providing an opportunity to share with other student branch leaders what works and what doesn't and to generate new ideas for a successful student branch.

One of the issues facing student members when they graduate is what to do about professional society memberships. In the past we have noticed that many student members let their membership lapse after graduation, and thereby lose many of the opportunities we as members value. Our GOLD (Graduates of the Last Decade) program aims to bridge the gap between student activities and professional activities - the Section web page has been upgraded with significant new information on this program and its resources, and I recommend that students explore these resources as they come to the end of their studies and make decisions on their future professional development. We hope that the IEEE NSW Section can be of greater assistance to early career professionals.

This is my final column as Section Chair. In mid-June, I will be taking up the position of Professor of Telecommunications and Director of the Institute of Telecommunications Research at the University of South Australia, which will take me back to Adelaide. I wish the Section every success in the future, and will continue to take an interest in its activities from my old base in the South Australia Section. It has been a pleasure serving the engineering community in NSW for the past six years.

Andrew Parfitt

NEW SOUTH WALES SECTION NEWS



Attendees at the Student Activities Forum held in May 2004. Left to right: Peter Blockley, Chris Shi, Alan Yick, Aaron Taylor, Amandeep Sidhu, Henry Setiawan. See article in this issue.

2. FAREWELL TO ANDREW PARFITT

As mentioned in the Chairman's Column, the current Chair, Dr Andrew Parfitt, has resigned to take up the position of Professor Telecommunications and Director of the Institute Telecommunications Research University of South Australia. Andrew has been a member of the NSW Section Committee for the past five years, after over 10 years on the South Australia Section Committee. He has contributed much to the NSW Section and his talents will be keenly missed. He was Section Chair for a year and half, Secretary for three years and member of the AP/MTT Chapter Committee for four years. He was also Chair of the Technical Program Committee for the successful Asia-Pacific Microwave Conference held in Sydney 2000. We wish Andrew success in his new position. He will be returning to Sydney from-time-to-time, and the Section Committee is arranging a thank-you dinner at the earliest opportunity.

3. DR GRAEME GWILLIAM IS NEW CHAIR OF NSW SECTION

The Section Executive Committee has elected Dr Graeme Gwilliam as its new Chair until the end of the year following the resignation of Dr Andrew Parfitt. Graeme has been the Section Vice-chair for three years. Under Article II Clause 2.4 of the Section's Bye-Laws, 'Any vacancy occurring

during the year shall be filled by a majority vote of the Section Executive Committee'. An election was held at the June meeting of the Committee and Graeme was unanimously elected as the new Chair for the remainder of 2004. Graeme can be contacted on: gb.gwilliam@ieee.org.



New NSW Section Chair Dr Graeme Gwilliam.

With Graeme's election as Chair, there was an additional election for the position of Vice-chair. Dr Ian Boyd was nominated and duly elected Vice-chair until the end of the year. For an outline of Ian's career, please refer to the article elsewhere in this issue.

4. Editor of Circuit Retires

Unrelated to the changes reported above, the current Editor of *Circuit*, Trevor Bird, is standing down from this role after the publication of the present issue after three years as Editor of *Circuit*. He will be taking up the position of Editorin-Chief of the prestigious IEEE Transactions on

Antennas and Propagation publication in August. This is the first time since publication began in 1952 that the Transactions Editor will be located outside of the USA. The move to almost total electronic submission and review of papers has made this possible. The Antennas and Propagation Transactions is now administered with the manuscript management software Manuscript Central. Trevor will also be retiring from the position of Chapter Activities Coordinator for the Antennas and Propagation Society.

'I have thoroughly enjoyed my stint as Editor', Trevor said, 'and over the three years we've brought in many improvements. I have been fortunate in having had the assistance of Dallas Rolph, of CSIRO, who helped with the production. I hope to be able to contribute to *Circuit* again sometime in the future.'

5. Introducing the New Circuit Editor, Eddie Fong



The new Editor of *Circuit* will be Eddie Fong. Eddie recently arrived in Sydney from Singapore to take up a position with Optus. For a time, he was editor of a newsletter for the IEEE Singapore Section. Eddie's first issue as Editor will be November 2004.

Eddie is currently the Vendor Support Manager for SingTel Optus Pty Ltd. He is responsible for managing vendors' support services and costs for Optus mobile network operations. He has a registered consultancy firm, providing consultancy and trading businesses for companies in the Asia-Pacific Region.

He has worked in the telecommunications industry for more than 22 years. He started his career with SingTel in 1982 as an Engineer and has experience in the International/National **INMARSAT** Switchina. and **INTELSAT** technologies, implementation and businesses. In 1994, he joined Motorola as Manager for program and engineering services for the Asia-Pacific region, where he managed resources and projects including pre-sale and post-sale engineering services and led a team of field service engineers, technical trainers, project administrators and project coordinators to roll out paging infrastructure projects in the Asia Pacific.

In 1996, as one of the pioneer members of MobileOne (Asia) Pte Ltd (M1), he set up paging teams to roll out and manage the paging network, services and businesses. He was a member of the Singapore Paging Number Portability Working Group. In 2000, he was responsible for the roll out of the international gateway facilities. In 2001, he managed and operated M1 & Nokia FutureLab with the task to develop and demonstrate potential 3G applications in preparing M1 for the 3G service launch.

Eddie holds a BSc in Electronics and Electrical Engineering from the University College of Swansea, UK, and an Advanced Diploma in Business Administration from Association of Business Executives, UK. He is a MIEE Chartered Eng, MIEEE, MIEAust and MABE. He was the Honorary Secretary of IEAust, Singapore Group Council Committee and a member of the IEE Singapore Chapter Council Committee in 2001.

Contact Eddie Fong at fong_eddie@hotmail.com.

6. STUDENT ACTIVITIES

The section held its first ever 'Student Activities Forum' on Saturday, 15 May, at the Greengate Hotel in Killara. Representatives of all student branches in NSW were invited. Student attendees were Amandeep Sidhu, Chair of the UTS student branch, Henry Setiawan, Vice-chair at UTS, Alan Yick, Chair at UNSW, Chris Shi, Vice-chair at UNSW, Peter Blockley, Chair at Macquarie and Aaron Taylor, Chair of the new branch at Newcastle. The Section was represented by Stephanie Boyd, Student Activities Chair, and Ian Boyd also from the Section committee.

Each student branch presented a report on their branch's activities and membership. Mechanisms for closer links between student branches and the section were discussed. Representatives were pleased by the new IEEE 'Branch Mentor' initiative where each branch has a member of the section committee on their branch executive.

This was a highly successful event, and we expect that it will be held annually in future.

Thanks go to Stephanie Boyd for organizing the Forum.

7. FREE MEMBERSHIP OFFER FOR STUDENTS CLOSES

Over 100 students took up the IEEE NSW's offer for free membership in 2004. This offer was made to students in their second or higher year of a recognised Electrical Engineering/Computer Science degree course at universities in New South Wales who are not already members of IEEE.

8. IEEE PRESIDENT MAKES BRIEF VISIT TO SYDNEY



From left to right: Zak Zakarevicius, Cleon Anderson, Mrs Anderson, David Burger and Graeme Gwilliam.

Some members of the NSW Section committee met informally with the current President of IEEE Cleon Anderson on 10 April during his brief stay in Sydney on his way to the annual Region 10 Conference, which was held this year in Adelaide.

9. NEW SENIOR MEMBERS FROM NSW SECTION

NSW Section members that were elevated to the grade of Senior Member of IEEE in the period January to May 2004 are as follows:

Heinz P. Herrmann, Linda M. Davis and Jian Zhang.

Congratulations are extended to these three members on their achievement.

INFORMATION FOR MEMBERS

10. THE WEB HELPS US KEEP IN TOUCH WITH YOU

The Section web site is now the main way of keeping members in New South Wales informed. The Web Master, Jon Agnew (jpagnew@ozemail.com.au), maintains this resource for the Section. Place the web address (http://ewh.ieee.org/r10/nsw) in your bookmarks so as to keep up-to-date with the latest Section news and information.

Click on 'News' for updates to the lecture programs on the NSW Section website. Electronic copies of this and past issues of *Circuit* can also be downloaded from the website.

Notifications of social and networking functions, technical meetings, notification of new issues of *Circuit* and other IEEE electronic publications all come to you via the Internet.

If your email address changes, please notify IEEE through the membership update area of the IEEE

web site. Go to www.ieee.org then click on 'Membership'.

Please advise the Membership Officer, Bruce Poon, email adsphere@mpx.com.au or ph. 9831 8412, if your email address is up-to-date with IEEE but you are not receiving emails from the NSW Section or NSW Chapters.

IEEE also provides a valuable way for you to keep the same email for those people and organizations you want to stay in touch with, even after your job or service provider changes. for а personal email name@ieee.org. If you then insert this alias at the member update area, you will overcome the need to notify the IEEE if your email changes. The IEEE alias service is FREE and also provides Virus Scanning. To obtain an email alias go to the IEEE website (http://www.ieee.org), click on 'Membership' in the menu to the left. Next, click on 'Update your IEEE Email alias' and follow the directions from there.

11. HAVE YOU TRIED IEEE XPLORE YET?

Do you realize that all IEEE publications are now going on line? You can download papers from all IEEE and some IEE publications with the IEEE Xplore web site. As professionals and researchers you can gain access to information you want in a matter of seconds. Why not try it out? To do so, click on ieeexplore.ieee.org/Xplore/DynWel.jsp.

IEEE Xplore provides full-text access to IEEE transactions, journals, magazines and conference proceedings published since 1988 plus select content back to 1950, and all current IEEE Standards. As IEEE members you can browse or search to access any complete Abstract record as well as articles from IEEE Spectrum Magazine. Access your personal online subscriptions using your active IEEE Web Account. If you do not have one, go to the Xplore web address given above and then click on 'Establish IEEE Web Account' to set up an account.

12. Information on IEEE's On-Line Collections

A new section of the IEEE Web site provides visitors with thorough, definitive information on IEEE online collections and other subscription options to access IEEE online technical documents. The new IEEE Publications Online information site is located at http://www.ieee.org/onlinepubs.

This online resource provides comprehensive information on IEEE publications, product features, and subscription options for libraries, members and individuals. The site also helps users understand the multiple subscription options offered by IEEE, and provides pricing details, licensing information, key contacts, support services, training options and other important details related to IEEE online resources.

13. Become an IEEE Senior Member

Many members of the NSW Section are eligible for Senior Member of IEEE, but have not upgraded their membership. Anyone with ten years in the profession (not ten years of IEEE membership) is eligible. Your educational experience is counted towards this ten-year requirement. In addition, you need five years of significant performance and three IEEE Senior Member or Fellow references. If you are nominated, only two additional references are needed. As well as recognizing your performance and contribution to the profession in a tangible way, each new Senior Member receives an attractive fine wood and bronze engraved Senior Member plaque and a US\$25.00 gift certificate towards one new Society membership.

Details and application forms are obtainable at www.ieee.org/organizations/ rab/md/smprogram.html.

14. USEFUL IEEE WEB ADDRESSES

Increasingly, the IEEE is relying on the Internet to deliver services to members. Some useful web addresses are summarized below for your information.

- IEEE Operations Centre: <u>www.ieee.org</u>
- IEEE Regional Activities: www.ieee.org/ra
- Region 10: www.ewh.ieee.org/reg/10
- IEEE Senior Member upgrade: www.ieee.org/organizations/rab/md/smprogram.html
- Region 10 Student Branch activities: www.cairo.utm.my/ieee/r10student.htm
- IEEE Contract administration: www.ieee.org/contractsonline
- Volunteer travel accident/medical plan. This is available to all IEEE volunteers and applies outside your normal
 country of residence. It starts and ends when you leave/arrive in your own country. For details see
 www.ieee.org/organizations/vols
- IEEE GOLD (Graduates of the last decade) program: www.ieee.org/organizations/rab/gold/programs.html
- Educational activities: <u>www.ieee.org/eab/</u>
- Professional development: www.ieee.org/pdi
- Career resources: <u>www.ieee.org/eab/education.htm</u>
- IEEE Award programs: www.ieee.org/about/awards, www.ieee.org/about/awards, www.ieee.org/organizations/rab/rab/Awards/rabawards.htm
- Conferences: www.ieee.org/conferencesearch/
- IEEE Xplore: //ieeexplore.ieee.org/Xplore/DynWel.jsp

UPCOMING TECHNICAL MEETINGS

15. Joint Technical Meetings for Remainder of 2004

All members are invited to attend the listed joint meetings with the Engineers Australia (EA), ITEES and IEE. All meetings are held at 5.30 for 6.00 pm (with light refreshments) at the Engineers Australia Lecture Theatre, Eagle House, 118 Alfred St, MILSONS POINT, unless otherwise shown.

Date	Topic	Speaker	Sponsor
24 June	Standards Driving Business	Mark Bezzina, Standards	EA
	Improvement	Aust.	
7 July	The Australian Synchrotron	Prof. John Boldeman, Vic.	EA
		Government	
8 July	Ageless Aerospace Vehicles	Dr Don Price, CSIRO	IEE
22 July	Artificial Photosynthesis	Dr Tony Collings, CSIRO	IEE
12 Aug.	Hutchinson 3G Mobile	Greg Palmer, Hutchinson	EA
26 Aug.	Biometrics and Security	Dr Geoff Poulton, CSIRO	EA
9 Sept.	Adaptive Wireless Systems	Dr Colin Jacka, CSIRO	EA
23 Sept.	Nanotechnology	Dr Burkhard Raguse,	IEE
		CSIRO	
14 Oct.	Condition Monitoring of XLPE	A/Prof. Trevor Blackburn,	IEEE
	Insulated Cables	UNSW	
28 Oct.	Millimetre-wave devices for	A/Prof Tony Parker,	IEEE
	emerging applications in	Macquarie Uni.	
	telecommunications and radar		
11 Nov.	Building the New ANSTO Nuclear	TBA	EA
	Reactor		
25 Nov.	The New Haymarket 330 kV	Chris Fitzgerald,	EA
	Substation	TransGrid	
26 Nov.	IEEE Annual General Meeting		IEEE

16. DETAILS OF UPCOMING JOINT TECHNICAL MEETINGS

STANDARDS DRIVING BUSINESS IMPROVEMENT

Wednesday, 24 June 2004

Speaker: Mark Bezzina

General Manager - StanCert P/L

Synopsis: Information Technology and telecommunications has a big impact on business, commerce and community. It remains almost unnoticed until we are faced with negative impacts such as computer security breaches and viruses, cost blow outs in technology projects, systems failing to deliver on expectations, fear of adverse environmental consequences of technology and more. Whilst many projects are implemented unnoticed, do standards have a role in keeping projects on track and why do projects go wrong?

In this lecture Mark Bezzina will explore:

How do you develop effective and efficient business systems

- What are standards?
- How are standards developed?
- How can you leverage value out of standards?
- Case studies in standards development covering:
 - o Information security
 - o IT Governance/corporate governance
 - Risk management and business continuity management
 - Systems interoperability.

Biography:

Mark Bezzina is the former General Manager of Business Standards at Standards Australia. In this role he managed the development of all-Australian standards and Australian input into international standards in the areas of communications, information technology, electronic business, management and business.

Mark has many years' experience in management and business systems encompassing most sectors of the economy. He has a bachelor of business degree majoring in management and information technology (UTS) and an MBA (MGSM).

Mark has been very active in advising government in the area of standards and compliance in the business and technology areas. He is the founder of the National Centre for Security Standards, Chairman of the Biometrics Institute, Chairman of the BizDex electronic business initiative and sits on many high level government and industry committees.

THE AUSTRALIAN SYNCHROTRON

Wednesday, 7 July 2004

Speaker: Prof. John Boldeman, Principal Scientific Adviser to the Victorian Department of Innovation, Industry and Regional Development

Synopsis:

The Australian Synchrotron facility is being constructed on a site adjacent to Monash University in Victoria. It is expected that it will be commissioned by the end of March 2007.

This presentation will provide a brief introduction to synchrotron science, it will outline the development of the Australian synchrotron research community leading to a proposal to construct a facility in Australia and will provide details of the design and expected performance of the synchrotron facility.

Special emphasis will be given to the engineering requirements to realise in practice the physics design. The current status of the project will be presented.

Biography: John Boldeman FTSE graduated from the University of Queensland in 1960, joined the Australian Atomic Energy Commission in the same year and, following a career mostly in fundamental and applied nuclear physics, gained a PhD (1971) and a DSc (1984) from the University of New South Wales. In 1987, he became Chief of the Physics Division at ANSTO (formerly the AAEC). Prof Boldeman was instrumental in the purchase, design and installation of the 10 MV tandem accelerator (ANTARES), the modernization of many of the neutron scattering instruments on the HIFAR reactor and the specifications of the National Medical Cyclotron. In 1989, he became convinced that Australia urgently required a synchrotron facility and devised a strategy that would lead to one being installed. The Australian National Beamline Facility at the Photon Factory in Japan was installed starting in 1991 and the Australian Synchrotron Research Program was established in 1996. In 1999, he prepared a proposal to the Federal Government for a National

Facility (The Boomerang Proposal). Subsequently, during a brief period as Professor of Synchrotron Science at the University of Queensland, he and Dieter Einfeld completed the physics design of the Australian Synchrotron.

OTHER LISTED MEETINGS

No details of the other listed meetings have been provided at the time of printing this newsletter. Please visit the 'News' page of the Section web site for details in the weeks preceding the meeting.

17. UPCOMING CONFERENCES CO-SPONSORED BY NSW SECTION

The NSW Section is co-sponsoring the following conferences:

5th Asian Control Conference (ASCC 2004) 20 – 23 July 2004, Melbourne. For details see //ascc2004.ee.mu.oz.au.

2004 IEEE International Symposium on Spread Spectrum Techniques and Applications (ISSSTA 2004) 30 August – 2 September 2004, Sydney. Further details at //www.isssta2004.org.

3rd International Conference on Information Technology and Applications (iCITA 2005) 4 – 7 July 2005, Sydney. Further details at // attend.it.uts.edu.au/icita05/.

mBusiness 2005. The 4th International Conference on Mobile Business 11 – 13 July 2005, Sydney. For details see // www-staff.it.uts.edu.au/~linh/mbusiness2005/.

Please give them your active support by attending or encouraging work colleagues to be present.

18. IEEE Sponsored Conferences

Details of all IEEE conferences and other forthcoming international events can be found by visiting the IEEE web site:

www.ieee.org/conferencesearch/.

CHAPTER & INTEREST GROUP NEWS

19. COMPUTER CHAPTER

We are planning to have a local chapter event fairly soon. This is likely to be a lecture and discussion on digital and interactive broadcasting.

I take the opportunity of this paper copy of *Circuit* to remind members that the chapter's brief AGM will be held at the traditional time of 6.00 pm, prior to the Section AGM on Friday, 26 November 2004. Come and join us, have your say, with good food, fine wine and interesting company to follow. Members willing to take on a position on the chapter committee should register their interest by email to stef@isb.net.au.

Stephanie Boyd Chair

20. Antennas & Propagation/ Microwave Theory & Techniques Chapter

The Chair of the AP/MTT Chapter, A/Prof. Graham Town, is on Study Leave until the end of the year. A/Prof. Karu Esselle will be the main contact for the Chapter in Graham's absence and also with the departure of Vice-chair Andrew Parfitt. Karu can be contacted by email at esselle@ics.mq.edu.au.

POTPOURRI

21. National Engineering Week 29 August - 4 September 2004

National Engineering Week is held annually. The event aims to promote the benefits that engineering brings to the Australian way of life, to put a human face to engineers and to promote engineering as a profession.

The NSW Section is represented on the Organizing Committee of Engineering Week 2004, which is directed by Engineers Australia, Sydney Division.

The Organizing Committee has compiled a program for the seven days to show to the general public some of the work of the profession.

The program includes the following:

- 28 August Sydney Harbour Bridge Heritage Walk
- 29 August The Technology Race 19th Century Tall Ship James Craig vs 21st Century Solar Sailer
- 29 August Sydney Railway Heritage Walk
- 30 August Site tours to be advised
- 30 August Harrick's Address
- 31 August Site tours to be advised
- 31 August Rail Infrastructure Forum
- 1 September The Great Engineering Challenge
- School students compete in a series of hands-

- on engineering challenges against other schools to win fabulous prizes.
- 2 September Site tours to be advised
- 3 September Site tours to be advised
- 3 September REDR Charity Evening Paddington Bowling Club
- 4 September UNSW Open Day
- 4 September Sydney Harbour Heritage Cruise.

A charity bowling event will be held on Friday, 3 July, at the Paddington Bowling Club. This is a social event, with teams of seven to be formed with an expected charge of \$20 per person. All proceeds will be donated to charity, Registered Engineers for Disaster Relief (REDR). This event is an excellent opportunity for engineers, and their partners, from all areas of the profession to meet in a convivial environment and try their skill.

For further information, check the engineering week web site at http://sydney.ieaust.org.au/engweek.html or contact Megan Fitzgerald on (02) 8923 7118 or mfitzgerald@engineersaustralia.org.au

22. HISTORIC SECTION MILESTONES

The IEEE History Centre's program most closely geared to IEEE Sections is the Milestones in Electrical Engineering and Computing. To do this, a Section proposes a local achievement of significance, prepares a carefully documented

nomination. If approved by the IEEE History Committee and the IEEE Executive Committee, a bronze plaque recognizing the honour will be dedicated. At the April 2004 meeting, the IEEE Executive Committee approved four Milestones that were recommended by the History Committee, from four different Sections in three Regions. This brings the total number of Milestones in the program to 58. The newest additions approved in April are:

- 1) Electronic Quartz Wristwatch, 1969 (IEEE Tokyo Section, R10)
- 2) First Computers to Use Magnetic Disk Storage, 1956 (IEEE Santa Clara Section, R6)
- 3) Alternating Current Electrification, 1886 (IEEE Berkshire section, R1)
- 4) Electric Fire Alarm System, 1852 (IEEE Boston Section, R1)

All four sections are planning dedication ceremonies. Visit http://www.ieee.org/organizations/history_center/milestones_program. html to learn more about the Milestones Program in general and also about these specific dedications as more information becomes available.

23. CD ON BENEFITS OF IEEE MEMBERSHIP FOR STUDENTS

The IEEE GOLD Committee has produced a CD that helps to explain the many benefits of IEEE membership, the available services and products, and rewards of volunteering. The CD is directed at students, particularly those about to graduate, and it contains a Power Point presentation with embedded video clips of GOLD members discussing their experiences with IEEE. Blank slides are included so local Sections, Chapters, Affinity Groups, or Student Branches can customize the presentation for use.

The CDs are being distributed by mail to all IEEE Section Chairs, Student Branch Chairs & Counsellors, GOLD Affinity Group Chairs, and Society & Region Membership Development Chairs. For additional information contact Cathy Dower at c.downer@ieee.org.

24. Member Profile - Ian Boyd

Dr Ian Boyd was recently elected Vice-chair of the New South Wales Section. He has been a member the Section Committee for the past two years and also Vice-chair of the Computer Society Chapter in NSW. He is a Member of the IEEE and the Australian Computer Society.

lan has worked in the computer industry for over 25 years. His main specializations have been document management, business systems and television production automation.



Dr Ian Boyd, Vice-chair IEEE NSW Section.

lan's education began with an MSc followed by a PhD in Mathematics from the University of NSW. His business education includes a Master of Business Administration from Edinburgh Business School. He has published several papers and a book on mathematical aspects of business management and economics.

To stay on top in the rapidly changing computer industry, Ian has passed over 15 vendor exams since 1996, including 'Microsoft Certified Solution Developer' (MCSD), 'Microsoft Certified Systems Engineer (Windows 2000)' (MCSE) and 'Microsoft Certified Database Administrator (SQL Server 2000)' (MCDBA). For breadth, he has also done recent courses in journalism and in counselling.

lan was Director of Research and Development for the software vendor the GMB Group from 1986 to 1996. GMB are originators of Email Management, Electronic Document Management, Records Management, Imaging and Knowledge Management software products. While at GMB, lan was in charge of all product development and support. He created their flagship product RecFind, currently in use worldwide for records and document management.

lan is currently an independent consultant with Information Systems Builders Pty Ltd, where he has been since 1996.

lan's television experience extends for nearly twenty years. Ian worked on scoring and graphics software for the Nine Network Cricket and Rugby League broadcasts since 1986. He took total responsibility for this software between 1996 and 2000. Ian also consulted to the Sydney Olympics with the title 'Data and Timing Engineer'. This assignment included creation of the TV graphics for the sport of shooting. By coincidence, Ian had

shot competitively in his youth. He has also done election result software and graphics for both the Nine Network and Sky News. In 2003, he helped with the innovative digital multiview statistics channel created by Channel 7 for the Rugby World cup. In 2003 and 2004, he was part of Foxtel's digital project, where he created software to update news in text format, and developed software to control Quantel generationQ video servers.

lan's business systems clients include a number of strata title property managers and an insurance company. He may have been creator of the first system to sell insurance over the Internet successfully.

lan is also an accomplished and experienced public speaker. He has been an invited keynote speaker at several conferences. Last year, he won his public speaking club championship (St George Rostrum public speaking club) and was runner up at a regional final for the state championship.

In his spare time he loves sailing and snorkelling.

This issue of *Circuit* reaches over 2500 IEEE members across New South Wales.

Why not advertise your company or your next event to engineering professionals via *Circuit*?

For further information, contact David Burger - (02) 9351 7722.

ADVERTISING PAYS!

25. If You Want to Continue to Receive Circuit by Mail Please Complete this Form

Except for the July issue, *Circuit* will normally be provided electronically by downloading from the NSW Section Web site http://ewh.ieee.org/r10/nsw. Members will be notified by email using the address provided at the membership renewal time when a new issue has been posted on the web site.

Circuit will be mailed only to those members requesting a printed copy or those not having an email address.

If you require a hard copy of *Circuit* mailed to you, please complete the form below and return to the Editor at the address shown.

Private Bag No. 1

DARLINGHURST NSW 2010.

26. NEW SOUTH WALES SECTION COMMITTEE NOMINATION FOR 2005

The Nominations Committee invites members to submit nominations for appointment to the 2005 Section Committee. Already the following Section Committee nominations have been received: T. Bird, S. Boland, I. Boyd, S. Boyd, D. Burger, O. D'Souza, S. Duvall, K. Esselle, E. Fong, G. Gwilliam, W. Lachs, D. Logothetis, S. Mozar, P. Ogunbona, B. Poon, F. Rahman, S. Reisenfeld, J. Robinson, D. Tien, G. Town, J. Vasseleu and R. Zakarevicius.

Members are invited to nominate on the form below. All nominations for Section Committee members will be considered at the Annual General Meeting, to be held on 26 November, at which all 2005 Office holders and Committee Members will be confirmed. Please note that Chapter Chairs are ex-officio members of the Section Committee. Elections for Chapter committees take place prior to the AGM.

Please Detach			
2005 COMMITTEE NOMINATION FORM			
Name:	Signature:		
Address:	Postcode:		
Tel: (H) (W)	FAX		
email			
MEMBER GRADE:	MEMBERSHIP NUMBER:		
Post return not later than 10 September 2004 to:			

David Burger [Tel: 8266 1371, Fax 8266 3388] IEEE Committee C/- PROFESSIONAL CENTRE OF AUSTRALIA Private Bag No. 1 DARLINGHURST NSW 2010.