

IEEE NSW SECTION

Minutes of the 21st Annual General Meeting

Friday 24 November, 2006
The Boronia Grove Function Centre, 49 Rawson St, Epping 2121

The meeting was opened by the Chair at 7:15pm.

1. Attendance and Apologies

Present: Graeme Gwilliam, Ian Boyd, Stephanie Boyd, Anthony Zaglas, John Robinson(LM), David Tien, Eddie Fong, Lorna Fong, Ananda Mohan Sanagavarapu (UTS), Sam Reinsfeld, Anthony Parker (Macq Uni), Mark Gordon, Karu Esselle, Bruce Poon, Andrew Kleinert, Clarence Dang (UNSW), Alex Cheng, Carolyn McGregor (UWS), Joanne Curry, Gregg Suaning, Shaun McLoherty, Amandeep Sidhu, Rob Curtis, Sue Moffat, Upul Gunawardana, Kenneth Lam (UNSW), Krishna Rajaratnam(LM), Yan Wong, Faz Rahman, Ajay Taneja, Norbert Dommel, David Burger.

Visitors: Olivia Robinson, Michelle Boyd.

Apologies: Jim Vasseleu, Trevor Bird, Walter Lachs, Zak Zakrevicius, Tim Hooper, Dallas Rolph, Hugh Outhred.

2. Minutes of the 2005 AGM

The minutes of the previous AGM were circulated and accepted. (Moved by Ananda, Seconded by Sam, Carried)

3. Chairman's Report 2006

Attached.

4. Treasurer's Report 2005

No report was tabled at the AGM. The report is attached.

5. Chapter Reports

5.1 Computer Chapter - Report

[Follow up..](#)

5.2 Antennas & Propagation/Microwave Theory & Techniques - Report

Committee Chair:

Vice Chair:
Secretary/Treasurer: Mr David Burger

5.3 Power Engineering - Report

2006 Report attached.

5.4 Power Electronics/Industrial Applications/Industrial Electronics

2006 Report attached.

5.5 Communications/Signal Processing Joint

Committee Chair:
Secretary/Treasurer: Mr David Burger
2006 Report attached.

5.6 Circuits and Systems/Solid State Circuits

No report. There has been no CAS/SSC activity, but the committee has requested CAS/SSC become a joint chapter with LEOS below. This is pending a decision for 2007.

5.7 Lasers and Electro Optics Society (LEOS)

No report, there have been no activities for LEOS, and there is actually been no committee formed since Dave Moss and Graham Town set it up in August 2005. The new 2007 committee is being established.

5.8 Engineering in Medicine and Biology Society (EMBS)

Founding Chair: Dr Carolyn McGregor
Vice Chair:
Secretary/Treasurer:
Chapter Web Editor: Mr Gregg Suaning
Members:

5.9 Affinity Groups

GOLD – Two GOLD functions were held in 2006. A combined DL lecture with Communications and Signal Processing on multi-media trends and forecasts, and a joint institutions lecture titled “Wave Energy” which attracted many students and recent graduates.

LIFE MEMBERS – No report.

6. Results of Officer Elections for 2007

The following officers were elected for the 2007 Executive Committee:

- o Section Chair: David Burger
- o Section Vice Chair: David Tien
- o Section Secretary: Anthony Zaglas
- o Section Treasurer: Rob Curtis

Standing Committee Chairs will be appointed at the 5th February 2007 meeting of the Section Executive Committee.

7. Awards and Presentations

There was no 2006 Max Simons Student Prize awarded.

8. Other Business

9. Closure

The meeting closed at 8:14 pm.

APPENDIX 1, IEEE NSW SECTION, Profit & Loss Statement 2006.

Refer to attached reports.

IEEE NSW SECTION

04/11/06

Income and Expenditure
January 1 through November 4, 2006

	<u>Jan 1 - Nov 4, '06</u>	<u>Budget</u>
Income		
2.00 PROGRAM REVENUE		
2.40 Advertising - Non-IEEE	0.00	500.00
2.50 Conference Revenue	0.00	3,000.00
Total 2.00 PROGRAM REVENUE	<u>0.00</u>	<u>3,500.00</u>
3.00 OTHER RECEIPTS		
3.10 Rebate from IEEE HQ	16,367.30	15,500.00
3.34 IEEE HQ and Societies Computer Society	<u>185.19</u>	<u>180.00</u>
Total 3.34 IEEE HQ and Societies	185.19	180.00
3.40 Interest	<u>4,453.68</u>	<u>5,700.00</u>
Total 3.00 OTHER RECEIPTS	<u>21,006.17</u>	<u>21,380.00</u>
Total Income	21,006.17	24,880.00
Expense		
4.00 PROGRAM EXPENSES		
4.10 Meetings and social events		
AGM Expenses	0.00	2,000.00
Committee Meetings	250.91	
4.10 Meetings and social events - Other	<u>0.00</u>	<u>1,000.00</u>
Total 4.10 Meetings and social events	250.91	3,000.00
4.20 Publication expenses		
Bulk Mailing - Circuit	59.09	1,300.00
Production - Circuit	<u>1,220.80</u>	<u>1,100.00</u>
Total 4.20 Publication expenses	1,279.89	2,400.00
4.70 Professional activities		
Engineering Week	1,363.64	1,365.00
Joint Lecture Program-IEAust	0.00	1,365.00
Joint Lecture Program-Speakers	<u>472.00</u>	<u>500.00</u>
Total 4.70 Professional activities	1,835.64	3,230.00
4.80 Student activities		
Student Membership Subsidy	1,702.78	4,500.00
4.80 Student activities - Other	<u>0.00</u>	<u>1,000.00</u>
Total 4.80 Student activities	1,702.78	5,500.00
4.90 Other program expenses	<u>200.00</u>	
Total 4.00 PROGRAM EXPENSES	5,269.22	14,130.00
5.00 MANAGEMENT & GENERAL EXP.		
5.20 Travel	5,052.75	2,000.00
5.50 Support to chapters		
C&S/SSC	0.00	500.00
Comm/Sig	2,164.18	500.00
Computer Society	0.00	700.00
GOLD	0.00	500.00
MTT/AP	0.00	500.00
PEL/IAE	0.00	500.00
Power	<u>1,004.59</u>	<u>500.00</u>
Total 5.50 Support to chapters	3,168.77	3,700.00
5.54 RAB/Board expenses		
Australia Council	<u>1,225.00</u>	<u>1,200.00</u>
Total 5.54 RAB/Board expenses	1,225.00	1,200.00
5.56 IEEE HQ & Society expenses		
Sections Congress	<u>0.00</u>	<u>500.00</u>

IEEE NSW SECTION

04/11/06

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January 1 through November 4, 2006

	<u>Jan 1 - Nov 4, '06</u>	<u>Budget</u>
Total 5.56 IEEE HQ & Society expenses	0.00	500.00
5.60 Other management & general		
Audit	0.00	1,000.00
Bank Fees	75.19	50.00
Book-keeping fee	0.00	100.00
Postage	8.14	
Printing & Stationery	517.33	100.00
Secretarial Service	2,882.14	2,000.00
5.60 Other management & general - Other	0.00	100.00
Total 5.60 Other management & general	<u>3,482.80</u>	<u>3,350.00</u>
Total 5.00 MANAGEMENT & GENERAL EXP.	<u>12,929.32</u>	<u>10,750.00</u>
Total Expense	<u>18,198.54</u>	<u>24,880.00</u>
Net Income	<u><u>2,807.63</u></u>	<u><u>0.00</u></u>

IEEE NSW SECTION

Balance Sheet

As of November 4, 2006

04/11/06

	<u>Nov 4, '06</u>
ASSETS	
Current Assets	
Current/Savings	
Cash Accounts	
Cheque Account 06 2192 10081351	32,618.83
Total Cash Accounts	<u>32,618.83</u>
Total Current/Savings	32,618.83
Other Current Assets	
Investments	
Commonwealth CMT A/C 37866076	120,000.00
Total Investments	<u>120,000.00</u>
Total Other Current Assets	<u>120,000.00</u>
Total Current Assets	152,618.83
Fixed Assets	
Computer Software	
Manacom Publish PDF Prof	90.00
Total Computer Software	<u>90.00</u>
Total Fixed Assets	90.00
Other Assets	
Other Assets	
Conference Funding	
Int Conf On Wireless Broadband	10,000.00
Total Conference Funding	<u>10,000.00</u>
Total Other Assets	<u>10,000.00</u>
Total Other Assets	<u>10,000.00</u>
TOTAL ASSETS	<u><u>162,708.83</u></u>
LIABILITIES & EQUITY	
Liabilities	
Current Liabilities	
Other Current Liabilities	
Tax Payable	
GST	
Tax Collected	72.72
Tax Paid	(3,011.00)
Tax Transfer ATO	2,403.01
Total GST	<u>(535.27)</u>
Total Tax Payable	<u>(535.27)</u>
Total Other Current Liabilities	<u>(535.27)</u>
Total Current Liabilities	<u>(535.27)</u>
Total Liabilities	(535.27)
Equity	
Opening Bal Equity	154,725.54
Retained Earnings	5,710.93
Net Income	2,807.63
Total Equity	<u>163,244.10</u>

IEEE NSW SECTION

04/11/06

Balance Sheet
As of November 4, 2006

	<u>Nov 4, '06</u>
TOTAL LIABILITIES & EQUITY	<u><u>162,708.83</u></u>

IEEE NSW POWER ENGINEERING SOCIETY
2006 PES CHAPTER CHAIRS REPORT

1. Membership
 - a. Membership has increased in 2006 by about 5%
 - b. Student Membership(TBA)
 - c. Senior Members(TBA)
 - d. Fellows(TBA)
 - e. Life Members(TBA)

2. Joint Lectures
 - a. Dr Walter Lachs gave a lecture on Power System Stability on 8 June 2006 at Engineers Australia 8 Thomas St Chatswood.

3. Distinguished Lecturer Program
 - a. Prof Sivaji Chakravorti of Jadavpur University Kolkata gave a series of three lectures on 20 July 2006 at Engineers Australia 8 Thomas St Chatswood.
 - b. Addition of Victor Gosbel and Ron Stillman to DLP did not progress.

4. Student Lectures
 - a. No Student Lunchtime Lectures were given in 2006

5. PES Reporting
 - a. L31 Forms for all technical, administrative and other meetings have been lodged electronically
 - b. The DLP Feedback Form for Prof Chakravortis lectures has been lodged

6. Outstanding Engineer Award
 - a. Nominations for the Outstanding Engineer Award have been called and close on 30 November 2006.
 - b. Selection Panel will comprise Dr Graeme Gwilliam, Antony Zaglas and John Robinson.
 - c. Selection to be made by mid January 2006 and ratified beginning February 2007.

7. R10 PES 2005 Chapters Meet Bangkok
 - a. A Zaglas represented NSW(stand in for Dr Graeme Gwilliam) in December 2005.
 - b. NSW Section contributed US\$200 towards expenses with the rest being made up by IEEE.
 - b. Region 10 PES Chapters meet is scheduled every two years but has been held every three years
 - c. Qld and Victoria did not send Reps to Bangkok

8. Finance
 - a. NSW PES does not have a Bank Account
 - b. DLP Costs were submitted to NSW Section Treasurer. These costs essentially comprised local accommodation, sustenance and transport expenses for Prof Chakravorty and Light lunch for attendees of lectures. There was no charge for attending the lectures as it would have complicated the situation with Engineers Australia providing the facilities free of charge.
 - c. There is an annual budget of \$500 for each NSW Chapter. Anything above this must be approved by the NSW Section Executive

IEEE NSW POWER ENGINEERING SOCIETY
2006 PES CHAPTER CHAIRS REPORT

- d. We are entitled to the US\$200 Report Rebate if we submit our reports in time and meet the minimum criteria of two technical meetings
- e. There is a US\$400 High performing chapter award if we meet all the criteria for Technical Meetings, Reporting, and have set up an Outstanding Engineer Award
- f. There is an US\$1000 Outstanding Chapter award which is much harder to obtain
- g. We can charge for any workshops that we host but this involves some risk with regard to numbers attending if we do not have bookings in advance and/or sponsorship.

9. Thanks

- a. John L Robinson
- b. Dr Graeme Gwilliam
- c. Dr Ian Boyd
- d. Eddie Fong
- e. Dan Candotti
- f. Dr Walter Lachs
- g. Prof Sivaji Chakravorti
- h. Bangkok PES
- i. Dr Subrata Mukhopadhyay
- j. A Prof Lalit Goel for his assistance with The DLP

Antony Zaglas
Power Engineering Society NSW Chapter Chair

Institute of Electrical and Electronic Engineers, Inc

NEW SOUTH WALES SECTION

ANNUAL REPORT 2006

MEMBERSHIP MATTERS

Membership

The Section membership numbers continued to grow slightly during the year, with the overall membership growing to about 2,600.

Membership statistics are now recorded from the beginning of the year as payments for annual dues are received by IEEE HQ. This results in progressive changes being reported during the year, however this is a minor aberration. Members are reminded that annual subscriptions are now due at the end of December and delay in payments being received may result in a temporary lapse in membership.

Life Members

During the year, an additional 7 of our members qualified as Life Members at various Grades, bringing the total in the Section to 49. This honour is achieved after many years of service to, and participation in the Electronics/Electrical Engineering profession. To all of these members I say 'well done'. Jim Vaseleu, Life Members Group Co-Ordinator on the Section committee, has done a good job.

Student Branches

Student Branches exist at University of New South Wales, Sydney University, University of Technology, Sydney, Macquarie University, University of Western Sydney, University of Wollongong and Charles Sturt University.

FINANCIAL MATTERS

Financial status.

The finances of the Section remain sound and details of our financial situation will be provided by the Treasurer in his report.

SECTION ACTIVITIES

Re-signing of the IEEE, IEE & EA Tripartite Agreement

A revision of the previously existing Tripartite Agreement was renewed early in the year, and signed by the Principals of the organisations at a ceremony in Sydney.

"Out-of-Sydney" Meeting

The programme to have at least one of the regular monthly committee meetings held at a venue away from Sydney continued this year. This is intended to allow those members in (state) regional locations to meet with the Committee members. This year's meeting was at the University of Wollongong, in Wollongong.

Joint Technical Lectures programme (EA, IET & IEEE)

During 2006 this programme conducted 16 presentations. (Summary attached). The New South Wales Section (IEEE) met its obligation to provide speakers for this programme. Consideration is being given to reducing the number of speakers in 2007 for a variety of reasons.

Our continued involvement in this programme is important as it allows the participation of our members in about 20 planned meetings a year, with the opportunity to benefit from and make our presence known locally in the profession.

Distinguished Lecturer Programme

During the year a total of 4 Distinguished Lecturers were able to make presentations within the discipline areas of a number of Chapters in NSW. The arranging of these presentations is essentially a Chapter responsibility, and the individual Chapters concerned are to be congratulated for their efforts.

Conferences

The Communications Chapter arranged a conference early in the year in conjunction with the University of Technology, Sydney. This was well attended and a financial success.

During the year we were advised that an international conference is to be conducted in Sydney in 2010 organised by the Oceans Engineering Society. The formation of a Chapter for this Society is being discussed, and will most probably be a joint inter-Sections Chapter due to the small number of Society members in Australia.

Section website

Our Section website continues to attract attention both within Australia and in other countries. There is an on-going need to keep the information relevant to our members. Linkages now exist into Engineers Australia to give ease in searching for information from the National Institution of Engineers, Australia.

Robert Manegon has continued as Webmaster during the year. He has come to recognise some of the matters which require attention, and in 2007 is to carry out a comprehensive evaluation and revision to the site.

Section history

The NSW Section, and the Electrical Engineering/Electronics profession in Australia has a rich and colourful history. The research and recording of this by 'Zak' Zakarevicius and David Burger with helpers continues. During the year a decision was taken to ensure electronic storage of 'paper' records was implemented.

Promotion of the electrical engineering profession

Work has been progressing for some time on the production of a CD, which will provide information for potential students of electrical engineering regarding career opportunities, training and qualifications, etc. One of the unmet 2005 targets, the work continues and we are trying to avoid duplicating similar work being done by others.

Providing information for potential electrical engineering students has become a high priority world wide as the demand for more electrical power engineers and communication engineers increases together with the opportunities in IT.

CIRCUIT Newsletter

The editor, Eddie Fong, has continued in 2006 to maintain the high standards previously established for our Section publication in past years. Three editions are produced annually and distributed electronically. The July edition is also sent to members by conventional post.

Section committees

The Section has a number of operational committees who make their own contributions to the success of the Section. Even though they may not all be mentioned in this report I wish to express a sincere 'thank you' to all concerned.

Chapters in the Section

The Section supports 7 Chapters. Early in the year the LEOS Chapter was finally operational, and the (few) members of the joint C&S/SSC Chapter remaining merged into it. Late in the year an additional Chapter from the Engineering in Medicine-Biology Society was formed, and will have run two activities before the end of the year. An inter-Section Chapter of the Society on SIT is to be established administered by Victoria section.

A supplementary report from some of these chapters will be provided as addenda to form the complete content of this Section report.

9/7

Regional Student/GOLD Congress

In September the Section financially supported the attendance of Ms Filita Barker to attend the Regional gathering of Student and GOLD members held in Beijing. Marc Apter (former RAB committee Chair) reported to me that the Australian attendees contributed well to the gathering.

REGIONAL AND WORLDWIDE ACTIVITIES

Region 10 Meeting

Three members of the New South Wales Section (Eddie Fong, David Tien and myself) were able to attend this annual gathering (held in Chiangmai, Thailand in April, 2006), with great benefit to all who attended. We are hoping over the years to have more of the Section committee members attend these meetings and so become familiar with the way Region 10 is structured and functions.


Region 10 Postgraduate Student Paper prize

Our congratulations go to Mr. Yan Wong and Mr. Norbert Dommel for their (joint) success in receiving the third prize award in this annual competition conducted within Region 10.

It is expected that their successful paper will soon be published in the IEEE Potentials magazine.

Regional Life Member Co-Ordinator

As preparation for my future (2007) membership of Region 10 Excom as Regional Life Member Co-ordinator, I attended meetings in Morristown, NJ of the IEEE Life Members Committee and the Regional Life Member Co-ordinators group during October.


Dr. Graeme Gwilliam 24. 11. 06
Section Chair, 2006

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Date	Type	Title	Lecturer	Attendees
9 February 2006	Technical session	TeraHertz Imaging	Trevor Bird CSIRO ICT Centre	48
23 February 2006	Technical session	Clocks in Space for Accurate Earth Time	Bruce Warrington National Measurement Institute	30
9 March 2006	Technical session	3 Gorges Power Station, China	Damien Kenneally, Principal - Hydropower SMEC John Ball, Alstom Power Services Mike Wyckmans, ABB	210
23 March 2006	Technical session	Web Services: Service Oriented Design	George Feuerlicht Faculty of Information Technology University of Technology Sydney	24
6 April 2006	Technical session	From the Lecture Room to the Real World	Rajitha Herath Graduate Engineer CH2Hill	
11 May 2006	Technical session	Site Visit to inspect the new OPAL Reactor at ANSTO	(host Greg Whitbourn plus 2)	22
25 May 2006	Technical session	Test Data Generation for Large Software Systems	Laksman Narasingham	
8 June 2006	Technical session	The Black Hole in Power System Security - Emergency Reactive Power Control	Walter Lachs	
22 June 2006	Technical session	Micro Systems - an Enabling Technology	Prof C Kwok Yee Associate Prof Microelectronics University of NSW	22
13 July 2006	Technical Session	Transrapid Rail System	John Chapman Siemens	32
27 July 2006	Technical Session	Ocean Wave Energy - Wollongong Project	Dr Thomas Denniss, Energetech	59
16 Aug 2006	Technical Session	Facts About Climate Change	George Fox	120
24 Aug 2006	Technical Session	Compound Semiconductors - Transistors in Technicolour	Shaun Cunningham EpiTactix Pty Ltd	30

14 Sept 2006	Technical Session	Mobile Virtual network Operators	Maurie Dobbin CEO Teleresources	30
28 Sept 2006	Technical Session	The Seven Seas and Seven Es Case for Electric Vehicles in Australia Now	Roy Leembruggen MD Elroy Engineering	90
12 Oct 2006	Technical Session	Mobile Positioning	Dr Craig Scott Seeker Wireless	30
26 Oct 2006	Technical Session	The Expanding Role of Permanent Magnet Machines in a Greener, Energy Efficient Environment	Prof Thomas Jahns University of Wisconsin, Madison (and Uni of NSW)	35

A/Prof Sam Reisenfeld, Chairman 2006
IEEE NSW Section, Communications and Signal Processing Joint Chapter

24 November 2006

IEEE NSW Section, Communications and Signal Processing Joint Chapter 2006 Annual Report

Conference Sponsorship

13-16 March 2006, **AusWireless'06 Conference**, Crowne Plaza Hotel, Sydney

2006 Technical Activities

24 March 2006, Prof Robert Gray, *Extracting Discrete Information from a Continuous World: Quantization, Compression, and Classification*, 24 IEEE Members, 10 Guests, UTS (IEEE Signal Processing Society Distinguished Lecturer).

27 March 2006, Prof Robert Gray, *Packet Speech on the Arpanet: A History of the Early Linear Predictive Coded (LPC) Speech and Its Accidental Impact on Internet Protocol*, 12 IEEE Members, 4 guests, UTS, (IEEE Signal Processing Society Distinguished Lecturer).

5 April 2006, Prof C.C. Jay Kuo, *Digital Media Revolution-How the Digital Technology Impacts Our Daily Life*, 3 IEEE members, 6 guests, UTS (IEEE Signal Processing Society Distinguished Lecturer).

6 April 2006, Prof C.C. Jay Kuo, *Technologies for Movie Content, Analysis, Summarization and Skimming*, 5 IEEE members, 2 guests, UTS (IEEE Signal Processing Society Distinguished Lecturer)

6 April 2006, Prof C.C. Jay Kuo, *Ubiquitous Multimedia Computing and Communications: Challenges and Future Trends*, 8 IEEE members, 3 guests (IEEE Signal Processing Society Distinguished Lecturer).

14 June 2006, Prof Jacob Gavan, *Radio Systems Techniques for Enhancing Energy Radiation, Reducing Interference and Parasitic Radiation*, UTS, 6 IEEE members, 6 guests, UTS (IEEE Communications Society Distinguished Lecturer).

15 June 2006, Prof Jacob Gavan, *Stratospheric Quasi-Stationary Platforms*, 6 IEEE members, 6 guests, UTS (IEEE Communications Society Distinguished Lecturer).

Report from
IEEE NSW IAS/PELS/IES Chapter

2006

The Chapter organized two IEEE DL seminars from Professor Tom Jahns, a past IEEE Distinguished Lecturer and a President of the IEEE Power Electronics Society. The first of the two seminars were jointly organized as part of the Engineers Australia/IEEE/IEE Lecture Series and presented at the Engineers Australia House at 8 Thomas Street, Chatswood, on 26 October 2006. The second seminar was presented at the University of New South Wales, Kensington, on 1 November 2006. The attendance at both seminars exceeded 35.

The titles of the seminars were:

1. The Expanding Role of Permanent Magnet Machines in a Greener, Energy-Efficient Society, held at the Engineers Australia house at Chatswood from 6-7 pm on 26 October, 2006. Attendance: about 35.
2. Recent Advances and Future Trends in Power Electronics for Industrial and Automotive Applications, held at the School of Electrical Engineering & Telecommunications, University of New South Wales, Sydney, from 6-7pm on 1 November 2006. Attendance: about 45.

These two seminars were free of cost to the attendees. Professor Tom Jahns was in Sydney as a Visiting Professor at the School of Electrical Engineering & Telecommunications, University of New South Wales, Sydney, which meant that there was no cost to the IEEE NSW.

3. A further seminar from a past IEEE Distinguished Lecturer, Bruce L. McClung, is currently being planned for holding in February, 2007.

The proposed Committee for 2007:

The existing IAS/PELS/IES Chapter discussed the formation of a new Committee for 2007. After requesting members to volunteer for the Committee positions, the following was determined as the Committee for 2007.

Professor Danny Soetanto	(#07718497) –	Chair
A/Professor M. F. Rahman	(#07822828) –	Secretary
A/Professor M. Nagrial	(#06895361) –	Treasurer

Professor Soetanto is planning to add a few other names to the Committee soon.

Brief Resume of Professor Tom Jahns

Professor Tom Jahns obtained his PhD in 1978 from MIT in Cambridge, Massachusetts. He worked for GE Corporate Research and Development in New York State for 15 years, including two years on a research sabbatical at MIT from 1996-98. While at MIT, Dr. Jahns served as Co-Director of the MIT/Industry Consortium that played an important role in defining the 42V PowerNet for automotive accessory systems. He is currently a Grainger Professor of Power Electronics and Electrical Machines at the University of Wisconsin-Madison.

Professor Jahns has received many prestigious IEEE awards including the William Newell and Nicola Tesla awards, several Best Paper awards from the IEEE, and multiple Technical Achievement awards from GE. He has served on US National Research Council technical advisory panels and he is a Fellow of the IEEE. He is a Past President of the IEEE Power Electronics Society and has served as a Distinguished Lecturer in both the IEEE Power Electronics Society and the IEEE Industry Applications Society.

Professor Jahns is on a sabbatical as a Visiting Professor at the UNSW since July 2006.

A/Prof Sam Reisenfeld, Chairman
IEEE NSW Section, Communications and Signal Processing Joint Chapter
24 November 2006

**IEEE NSW Section, Communications and Signal Processing Joint Chapter
2006 Annual Report**

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IEEE NSW Section, Antennas & Propagation and Microwave Theory
and Techniques Joint Chapter
Annual Report for the year 2006

2006 Technical Activities

1. 9 Feb. 2007: Dr. Trevor Bird, Chief Scientist, CSIRO ICT Centre presented a joint IEEE/IE (AUST) seminar on "Terahertz Imaging". 48 attendees were present among them 20 IEEE members and 28 guests.
2. 3 May 2006: Dr. Cezary Sydlo, Research Scientist, High Frequency Techniques Group, Technical University Darmstadt, Germany presented a talk on "Terahertz Technology and antenna design" at University of Technology, Sydney. There were 15 attendees :5 IEEE members, 5 IEEE student members and 5 guests.
3. 24 August 2006: Dr. Shaun Cunningham, CEO of EpiTactix Pty Ltd, Marsfield, Sydney, presented a joint IEEE/IE (Aust) technical presentation on "Compound semiconductors-Transistors in Technicolour" at Institute of Engineers Auditorium. 30 attendees : 15 IEEE members and 15 guests.
4. 30 October 2006: Professor Toshiyuki Yakabe, University of Electro-communications, Japan, presented a talk on "New developments on Six-port based vector Network Analysers" at University of Technology, Sydney. No of attendees: 16, IEEE members :5, IEEE student members:5, guests:6.
5. 15 November 2006: Dr. David Burger of Energy Australia presented a talk on " Construction and use of 7 MHz Yagi antennas " at the Terry Hills Emergency Services headquarters, Terry Hills, Sydney. There were 30 attendees, IEEE members :4, Guests : 26.
- 6.

Distinguished Lecturer Program

We planned to host IEEE AP society distinguished lecturer's visit in Aug 2006 but the lecturer could not make it due to his other commitments during that time. We are hoping to host the visit in 2007.

Region 10 Activities

Assoc. Prof. Ananda Sanagavarapu (Mohan) attended the Region 10 , IEEE Antennas and Propagation Society chapter chairs meeting on 3 November, 2006 at Singapore held during the International Conference On Antennas and Propagation (ISAP06). The meeting was attended by all active chapters within Region 10 plus Adcom members of IEEE Antennas and Propagation Society. Dr. Sanagavarapu (Mohan) was also made member of the ISAP International Programme Committee. The committee expressed their interest for Australia to host ISAP conference in future.

Assoc. Prof. Sanagavarapu (Mohan) is invited to attend the Region 10 IEEE Microwave Theory and Techniques Society chapter Chairs meeting to be held on 13 December 2006 in Yokohama, Japan, in conjunction with Asia Pacific Microwave Conference (APMC06) in Yokohama, Japan.

Reported by :

Assoc. Prof. Ananda Mohan Sanagavarapu (aka Ananda S Mohan)
Chair, IEEE NSW Joint AP/MTT joint Chapter
27 November 2006