# IEEE NSW SECTION

## Minutes of the 19th Annual General Meeting

**Friday 26 November, 2004**
**The Epping (RSL) Club, 45-47 Rawson Street, EPPING, NSW 2121**

The meeting was opened by the Chair at 7:14pm.

### 1. Attendance and Apologies

**Present:** David Burger, Graeme Gwilliam, Trevor Bird, Karu Esselle, Ian Boyd, Stephanie Boyd, Michelle Boyd, Stefan Mozar, Anthony Zaglas, Irina Rabeja, Sampath Windsor, John Robinson, Michael Wasmund, Jim Vasseleu (LM), Jack Jellins (LM), Harvey Holmes (LM), Bruce Poon, David Tien, John Ypsilantis, Teresa Buczkowska (LM), Janus Buczkowski (LM), Aaron Taylor (2004 Student Congress), Helmut Yu (UNSW Student Chair), Agus Santoso (2004 Max Simon Student Award), Mia Suma, Eddie Fong, Lorna Fong, Ananda Sanagavarapu.

**Apologies:** Andrew Parfitt, Alan Rister (LM), Dan Kandoti, Mark Edmunds.

### 2. Minutes of the 2003 AGM

The minutes of the previous AGM were circulated and confirmed as a true record.

(Moved by Trevor Bird, Seconded by Ananda, Carried)

### 3. Chairman's Report

Graeme Gwilliam circulated and presented the following report on the 2004 activities and achievements of the Section.

IEEE NSW SECTION, ANNUAL REPORT 2004

- Membership

The Section membership numbers continued at a steady state during the year, with the overall membership reducing by a few, but remaining at approximately 2,500.

- Chairmen during the year

The year commenced under the stewardship of Dr. Andrew Parfitt, however in the middle of the year he accepted an appointment in Adelaide, which precluded him from continuing. I was elected at the time to fill the casual vacancy, which I was honoured to accept. As a result of the subsequent vacancy at Vice-Chair, Dr. Ian Boyd was elected to that office at the same time.

- Award of Outstanding Large Chapter of Region 10, 2003

We were recently advised that the NSW Section had been voted the award of "Outstanding Large Chapter of Region 10 for 2003". This was, of course, a great delight to us all, and I must recognise the many people who contributed their efforts towards this end result. Successes such as these are invariably a team effort over a period of time, and all members of the team may feel justifiable proud.

- IEEE NSW Section, Max Simons Student Prize

This was awarded to Agus Santoso of The University of Sydney, refer to section photo archive. There were 5 student submissions received an considered for this prize in 2004.

- Life Members

There is a saying that "We all grow old gracefully, ....", and this was confirmed when, during the year, an additional 7 of our members qualified as Life Members. This honour is achieved after many years of service to, and participation in the electrical engineering profession. To all of these members I say 'well done'.

- Financial status.

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

- Region 10 Conference, Adelaide 2004.

Four members of the New South Wales Section were able to attend this annual gathering, with great benefit to all who attended. We are hoping to have more of the Section committee members become familiar with the way things are done in Region 10.

- Section Activities

- Joint technical speakers program

Our continued participation in this allows the participation of our members, with the opportunity to benefit from and make our presence known in the profession.

- Sponsorship of Conferences

The Section had an involvement with two Conferences during the year; IEEE International Symposium on Spread Spectrum Techniques and Applications (ISSTA) and the Asian Control Conference (ASCC). The ISSTA had 212 delegates attend; preliminary advice indicates a possible small surplus will result. We are still awaiting a financial report from the ASCC activity.

- Section website

Our Section website continues to attract attention both within Australia and in other countries. We are awaiting confirmation for a presentation to be made at the IEEE Sections Conference, 2005, on its development and use.

A special thanks needs to be recorded to Jon Agnew for his outstanding efforts and contributions to the Section website over a number of years. Jon is relinquishing this job at the end of 2004, but in going he has ensured that we have a replacement who will be fully briefed for 2005.

- Section history

The IEEE NSW Section, and the EE profession in Australia generally, has a rich and colourful history, and some of the details of this history have been researched and collected by the efforts of 'Zak' Zakarevicius and David Burger, and others. The results of their efforts are to be seen on the Section website.

- 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. One of the 2005 targets is to complete this CD and have the information disseminated to all interested parties.

- 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 IEEE NSW Section supports 6 Chapters. A supplemental report from each of these chapters will form the complete content of this report, and are tabled in the Chapter Reports later in this document.

Dr. Graeme Gwilliam
IEEE NSW Section, Chair 2004

(Moved: Stephanie Boyd, Seconded: Anthony Zaglas, Carried)

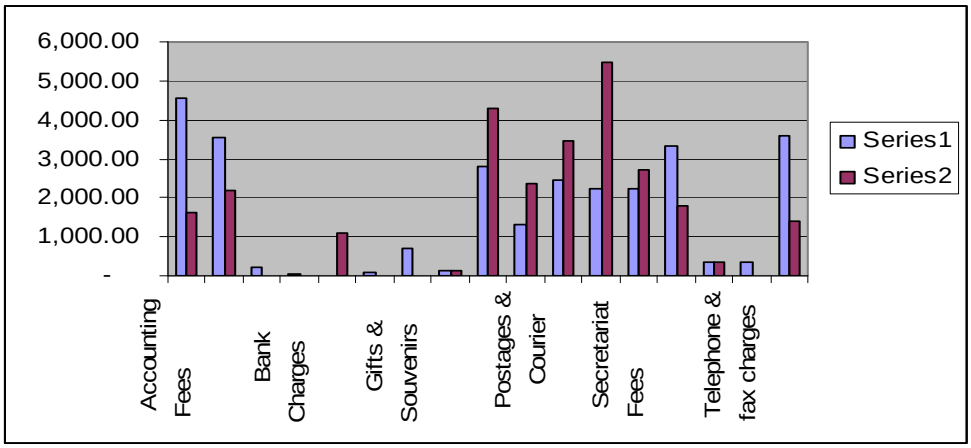
## 4. Treasurer's Report

Working as the Section Treasurer during past two years has proved to be a unique and fulfilling experience. The financial situation of the Section has remained healthy. During the financial year we have generated $26,768 income through bank investments and the rebate. To further invest in the future, the Section has allocated $20,000 as seed fund for two conferences to be held in 2004 as well as providing $1,789 to sponsor new student members. As a result the total expenditure for the year is $26,768. Currently the financial strength of the Section remains healthy at a total of $140,963 (compared with $130,439 in 2003) with $120,000 invested in a Cash Management account with the Commonwealth Bank.

To make the financial management accountable and transparent, a "budget request procedure" has been introduced which gives a clear picture of the financial year. Effort will be made to utilise our financial strength to provide services to all members and generate extra funding through services, such as job advertisements for our members.

It has been a privilege to work in two IEEE Sections across a geographical and cultural divide for the past 10 years. What I enjoyed most is the spirit of the team, which carried out work though individual initiatives.

**Comparison: 2003 : 2004**



## IEEE NSW SECTION, EXPENDITURE, YEAR ENDING 31/10/2004

EXPENDITURE

| | Year: 2003 | Year: 2004 |
|---|---|---|
| Accounting Fees | 4,535.00 | 1,600.00 |
| Annual Social Functions | 3,564.82 | 2,200.00 |
| Awards, Grants & Scholarships | 200.00 | |
| Bank Charges | 31.00 | |
| Donations - sponsorship | | 1,100.00 |
| General expenses | 86.36 | 10.00 |
| Gifts & Souvenirs | 693.14 | |
| Insurance | 111.86 | 120.00 |
| Meeting Expenses | 2,815.73 | 4,303.00 |
| Postages & Courier Services | 1,319.52 | 2,367.00 |
| Printing & Stationery | 2,472.47 | 3,471.00 |
| Student Activities | 2,219.79 | 5,487.00 |
| Secretariat Fees | 2,236.43 | 2,715.00 |
| Membership Subscription | 3,317.51 | 1,789.00 |
| Subscription | 330.00 | 330.00 |
| Telephone & fax charges | 340.42 | |
| Technical Talks Expenses | 3,606.81 | 1,408.00 |
| | 27,682.86 | 26,900.00 |

## Cheque Account Details:

| | Out | In |
|---|---|---|
| January | 0.00 | 1,039.00 |
| February | 2,572.00 | 755.00 |
| March | 2,129.00 | 16.00 |
| April | 2,939.00 | 1,149.00 |
| May | 2,711.00 | 1,438.00 |
| June | 1,887.00 | 18,922.00 |
| July | 3,925.00 | 1,173.00 |
| August | 4,137.00 | 1,087.00 |
| September | 1,050.00 | 21.00 |
| October | 738.00 | 1,168.00 |
| November | | |
| December | | |
| | 22,088.00 | 26,768.00 |
| | | 4,680.00 |

(Moved by Trevor Bird, Seconded by Jim Vasseleu, Carried)

## 5. Chapter Reports

### ~~5.1~~ Computer Chapter

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The 2005 committee is yet to be advised. Present contact point is Ms Stephanie Boyd.

### ~~5.2~~ Antennas & Propagation/Microwave Theory & Techniques

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The 2005 committee was elected as:

Chair: Graham Town
Vice-Chair: Ananda Sanagavarapu
Secretary: David Burger

The MTT/AP Chapter had three seminars throughout 2004 with lecturers by Dr Tibor Bercelli (DL), Dr Bevan Jones and Dr Peter Blockley. Dr Trevor Bird has a lecture scheduled for 2005 titled 'Terahertz Imaging'.

### ~~5.3~~ Power Engineering

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The 2005 committee was elected as:

Chair: Graeme Gwilliam
Vice Chair: Mark Edmunds
Secretary: Anthony Zaglas
Treasurer: John Robinson

The year of 2004 was relatively quiet for a number of reasons. Under the circumstances it is gratifying to note that our Chapter membership continued to grow steadily, showing a rate of slightly less than 10% per year in recent years. It is interesting to speculate if this is a reflection of the reversal in interest in the power industry following the low levels in the 1980-90's.

The technical speaker program presented in conjunction with the IEAust and IEE was also successful, with a move towards two technical presentations a month. The ensuing variety in the subjects of the talks has also been noticeable. There is also an opportunity for the Chapter to conduct its own technical education program, looking particularly at eminent speakers who may be on 'short time' visits to Sydney and cannot be integrated into the joint IEEE/IEAust/IEE activity.

Whilst there was an active Distinguished Lecturer program conducted in South-East Asia, the speakers seemed reluctant to travel the additional distances required for them to do a tour of Australia. As a consequence we missed out on visits from many eminent speakers.

On an individual basis the joint activities of the GOLD program representatives at both Chapter and Section level continues.

The lunchtime student lecture/seminar program was in a dormant state, due partly to my recurring health problems. I am hoping to be able to apply more time and resources to the co-ordination and participation in these activities in the future.

### ~~5.4~~ Power Electronics/Industrial Applications/Industrial Electronics

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The 2005 committee is:
Chair: Faz Rahman
Faz had organised a number of DL visits in 2004 which were well attended and received. While the committee is small, the Distinguished Lecture program efforts of Faz work well for this joint chapter. A similar approach is anticipated in 2005

### ~~5.5~~ Communications/Signal Processing

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The 2005 committee was elected as:
Chair: Sam Reisenfeld
Secretary: Ananda Sanagavarapu

The Joint Communications / Signal Processing Chapter had a number of functions and technical meeting throughout 2004. The level of activity was however restricted to the last half of the year given dominant work commitments by the committee. The first get together resulted from a visit by Gerry Alphonse (IEEE-USA President) meeting with members of the ComSig committee and discussing the telecommunications milestones for Australia – and how we can get some possible recognition and profile for these. Presently there are no Australian Milestones flagged in the IEEE Milestones program. The outcome of this discussion was the assembly of a more encompassing Milestones Document being generated with an Australian focus. Refer to the IEEE NSW Website, History Section and linked Milestones. It is planned to pick a pertinent milestone from this master list and present this to the IEEE HQ for due consideration.

The remaining events of the 2004 were a series of presentations and technical info sharing sessions showing some impressive software systems for machine image recognition, mainly with video security surveillance systems, as well as a get together immediately prior to the IEEE NSW Section AGM, where 2005 office bearers were elected. Notably, the level of interest in ComSig Chapter appears to be growing, with some new faces expressing interest in participation.

One of the directions identified was to seek greater publicity and get the ComSig Events listed in the main EE Events Schedule being compiled for 2005. This came about due to many short notice events in 2004 that were just lightly attended. The other opportunity to be identified is securing a convenient venue, noting the Ashfield and University of Sydney venues used in 2004 were well presented and equipped, they were both less than ideal to hold a post-workday lecture.

We look forward to your on-going interest and participation in 2005, and ask you keep a regular lookout on the IEEE NSW Section – NEWS links to the 2005 EE Events Schedule. Regards,

Olly D'Souza, IEEE NSW Joint ComSigProc Chapter, Chair 2004

### ~~5.6~~ Circuits and Systems/Solid State Circuits

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The 2005 committee for C&S/SSC is current vacant.

The CAS/SSC Chapter had no meetings or activities during 2004. We are looking to establish a 2005 Committee for this Chapter. There is nothing to report.

(Chapter Reports acceptance moved: Ananda, Seconded: Eddie Fong, Carried)

## 6. Results of Officer Elections for 2005

Graeme Gwilliam advised that the following officers were elected for 2005 at the November 2004 Executive Committee Meeting:

| | |
|---|---|
| Section Chair: | Graeme Gwilliam |
| Section Vice Chair: | David Burger |
| Section Secretary: | David Tien |
| Section Treasurer: | Ian Boyd |

Sampath Windsor was confirmed as the 2005 GOLD Affinity Group Chair for 2005, noting earlier discussions since this position was vacated mid 2004.

Standing Committee Chairs will be appointed at the 7th February 2005 meeting of the Section Executive Committee.

## 7. Awards and Presentations

The 2004 Max Simons Prize winner, Mr Agus Santoso from The University of Sydney was presented with a $200 prize. All papers entered for this prize are to be highly commended for their quality, with a total of 4 being reviewed by our student paper review group, Trevor Bird, Graham Gwilliam and Ian Boyd.

## 8. Other Business

None.

## 9. Closure

The meeting closed at 7:50 pm.

| APPENDIX 1 – IEEE NSW Section, **Member Statistics** | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 31/12/2003 | 31/01/2004 | Feb - Mar '04 | 30/04/2004 | 31/05/2004 | 30/06/2004 | 30/07/2004 | 30/08/2004 | 30/09/2004 | 30/10/2004 | 26/11/2004 |
| **Member Types** | | **Number** | **Number** | **No:** | **Number** | **Number** | **Number** | **Number** | **Number** | **Number** | **Number** | **Number** |
| Active Members | | 2701 | 2717 | N/A | 2150 | 2200 | 2227 | 2347 | 2372 | 2404 | 2421 | 2438 |
| Active Members | excluding affiliate | 2498 | 2513 | N/A | 1999 | 2044 | 2064 | 2179 | 2205 | 2236 | 2321 | 2270 |
| Active Life members | LA/LF/LM/LS | 39 | 45 | N/A | 40 | 41 | 41 | 41 | 43 | 42 | 42 | 42 |
| Active Senior members | | 141 | 141 | N/A | 134 | 135 | 135 | 133 | 135 | 139 | 140 | 139 |
| Active Student members | | 532 | 532 | N/A | 312 | 336 | 345 | 445 | 401 | 404 | 412 | 418 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| **Student Branch's** | **Branch No.** | **Number** | **Number** | **No:** | **Number** | **Number** | **Number** | **Number** | **Number** | **Number** | **Number** | **Number** |
| University of NSW | 2598721/ 2533563 | 229 | 231 | N/A | 151 | 167 | 170 | 180 | 161 | 160 | 163 | 157 |
| University of Technology Sydney | 2504821 | 52 | 55 | N/A | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 |
| The University of Sydney | 40008997 | 36 | 35 | N/A | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 |
| Western Sydney University of Nepean | 2538101 | 13 | 13 | N/A | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| University of Wollongong | 2590073 | 23 | 25 | N/A | 27 | 32 | 33 | 36 | 33 | 37 | 37 | 39 |
| Charles Sturt University | 40101513 | N/A | N/A | N/A | N/A | N/A | No data | No data | No data | No data | 23 | 23 |
| | | | | | | | | | | | | |
| **Chapters** | | **Number** | **Number** | **No:** | **Number** | **Number** | **Number** | **Number** | **Number** | **Number** | **Number** | **Number** |
| Antennas & Propagation / Microwave Theory & Techniques | | 88 | 89 | N/A | 78 | 78 | 79 | 79 | 79 | 81 | 82 | 81 |
| Circuit and Systems / Solid State Circuits | | 86 | 86 | N/A | 76 | 76 | 76 | 78 | 78 | 80 | 79 | 73 |
| Communication / Signal Processing | | 518 | 509 | N/A | 515 | 541 | 549 | 555 | 558 | 567 | 546 | 503 |
| Computer | | 804 | 814 | N/A | 893 | 912 | 928 | 953 | 957 | 967 | 961 | 959 |
| Industrial Electronics / Power Electronics / Industrial Applications | | 94 | 93 | N/A | 93 | 96 | 96 | 96 | 97 | 98 | 97 | 99 |
| Power Engineering | | 115 | 120 | N/A | 117 | 121 | 122 | 124 | 125 | 124 | 123 | 125 |
| | | | | | | | | | | | | |
| **Others** | | | | | | | | | | | | |
| Senior Membership enquiry | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| | | | | | | | | | | | | |
| Issued by Bruce Poon | Correct as at 26 Nov 04 | | | | | | | | | | | |