

ENGINEERS
AUSTRALIA
Canberra Division

Annual Report

2011

Engineers Australia
Canberra Division - 2011 Annual Report *

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* This report covers the calendar year 2011

Division Committee - 2011

President	Jennifer Murray
Deputy President	Doug Mitchell
Vice President	Andrew Montgomery
Past President	Denton Bocking
Congress Representative	Tom Brimson
Members:	Simba Kippaya
	Thileepan Vettivel
Young Engineers Rep.	Ben Foley
Women in Engineering Rep.	Kelly Lance
Engineering Technologist/Associate Rep.	Andy McLarty
Director	Vesna Strika
Deputy Director	Colleen Mays
Office Administrator	Susan Harrison

Advisory Forum to Division Committee - 2011

ASDE	John Morrison
Biomedical College	Mike Flood
CELM	Mike Evans
Civil College	Jeffery Howard
Civil/Structural Branch	Andrew Montgomery
Electrical College	Jega Janarthana
Engineers Without Borders	Julia McDonald
Engineering Heritage Canberra	Lyndon Tilbrook
Environmental College	Adrian Piani
ITE&E Branch	Liam Waldron/Andrew McLarty
ITEE College	John Gordon
Mechanical Bch & Mechanical College	Jonathan Couldrick
Retired Group	Graham Conran
Risk Engineering Society	Brian Charlton
SSEE	Adrian Piani
Structural College	Tarek El-Ansary
Transport Branch	Jeff Bell

President's Report



This year, has seen Canberra Division go from strength to strength. The Annual Reports from each of our branches, societies and groups illustrate the vibrancy of our engineering community and the breadth of the technical program that has been delivered this year to our members. As engineers, we are intensely proud of the contribution we make to society. Featured throughout our Division's activities has been Engineers Australia's '2011 Year of Humanitarian Engineering' theme. This theme highlighted the positive contribution that humanitarian engineering makes to disadvantaged communities and the role of engineering in improving the quality of life. As part of these activities, a number of YOHE themed workshops were scheduled around Australia. Unfortunately, Canberra's workshop 'Engineers Supporting the Response and Stabilisation Action' was cancelled. I'd like to especially thank Neil Greet, Jeff Howard and Denton Bocking for their efforts behind the scene in developing the YOHE national wide workshop series.

Our 2011 Canberra Engineering Excellence Awards in September showcased the ingenuity and engineering achievements of a number of organisations of all sizes across a wide variety of sectors. Our seventeen finalists certainly epitomised the engineering excellence here in Canberra. CEA Technologies – Anzac ASMD Active Phased Array Radar project was not only a Canberra Division Award winner, the project won the ACT Government's New Technology and Innovation Award and then went on to win at the National Engineering Excellence Awards in November.

Our other winners included Aerospace Concepts P/L for their Antarctic Broadband – Definition and Capability Development project with unique satellite design aspects which are world-leading and the National Capital Authority for the Kings Avenue Overpass. Our highly commended winners were; Datapod Australia P/L for their Datapod System which is an innovative response to the need for high-performance data centres; ANU's Research School of Engineering for their Generation II Big Dish Solar Concentrator Prototype; and Roads ACT for the restoration of the Tharwa Heritage Bridge. I'd like to especially thank our sponsors whose generosity is very much appreciated and contributed greatly to the awards process - ACTEW Corporation (Exclusive Partner), the ACT Government (New Technology & Innovation Award Partner) and Tenix (Industry Partner). Also, thanks to Mike Evans and the Engineering Excellence Awards committee for their time and effort in making the event such a success.

The unveiling of our Engineers Australia Forest sign at the Arboretum, marks another milestone in the evolution of the National Arboretum. Our Pin Oak forest is certainly growing very well after only two years and occupies a prime site at the Arboretum; tree sponsorship is still available to all members across Australia. Our Canberra 100 committee is already planning activities in support of Canberra's Centenary in 2013. Further development of the Engineers Australia's forest is likely to be a feature of 2013 activities.

August marked our Australian Engineering Week activities. Once again, a diverse program was offered to our members and the general public alike. I'd like to particularly recognise ACTEW Corporation Ltd., and their guided tours of the Enlarged Cotter Dam site and the Australian Traffic Safety Bureau for opening its doors and providing insight into their world during that week. Our Engineering Games at Questacon had a record number of participants and the evening highlighted the enthusiasm, ingenuity and talent amongst our participants – all budding future engineers. Special thanks to Mike Flood and 'Games Team' members; some of whom were past 'Engineering Games' participants. Our presenters, volunteers and Australian Engineering Week committee, chaired by Andrew Montgomery all contributed to the success of the week.

Our Engineers Without Borders challenge demonstrated the ideas, concepts and solutions that were developed by Canberra's first year university students to numerous challenges identified by the small rural community of Devikulam in the state of Tamil Nadu, India. Members had the opportunity to hear the top four concepts identified from the ANU's 43 teams that had participated in the challenge. Special thanks to Jeremy Smith for organising this event.

Our ITEESPAN competition attracted four final year student presentations on the night with projects of a very high quality. There was no doubt as to the entrepreneurial talent on display. Congratulations to our winner Brad Mound who was awarded \$500.

Our 2011 eXchange Luncheon hosted by Young Engineers Australia, Women in Engineering and Engineers Without Borders was a highly successful event. Our thanks to our event sponsor Defence Materiel Organisation.

Congratulations to our Young Professional Engineer of the Year Christina West. Christina is a chemical engineer in the Environment and Water Group at GHD and has worked on a range of water based projects since graduating, including most recently the ACT Government's Integrated Urban Waterways project.

The H.A Jones Medal recipient was Pei Leong who pursued her engineering degree course at the ANU with the most distinctions in 2010. Pei received a medal, certificate and cheque for \$500.

Director's Report

Canberra Division's Annual Leadership Presentation featured the Hon Malcolm Turnbull MP as guest speaker with a presentation titled "Leadership Reflections and Australia's Broadband Future". The presentation was well received and provided a clear and informative picture of the issues in developing the nation's broadband initiative. My special thanks to Mike Evans who secured such a high profile speaker during a parliamentary sitting week.

Our Young Engineers debated the ACT Young Lawyers in a social event sponsored by ACTEW Corporation – "Engineers would make better politicians than lawyers". It was a great evening organised by Winey Suen of YEA and thoroughly enjoyed by all, with much of the audience in stitches such as the humour on the night. Christina West led the YEA team of Grant Baldwin and Asher Trounce. The diversity of our activities stretched far and wide. Members had an opportunity to participate in a discussion with our National President Merv Lindsay on 'Chartered: Changing the Culture'. An International Engineers Meeting was held to launch the International Engineers Initiative which is designed to assist and provide networking opportunities for engineers from overseas and those intending or interested in working overseas. Members from across the division supported this event.

Our members are participating in a variety of Government and Industry Forums. Tom Brimson is a member of the ACT Government Industry Reference Group, Denton Bocking, Andrew Montgomery and Doug Mitchell have been involved in a number of ACT Government working groups dealing with Building Quality issues in the ACT. The ACT Work Health and Safety Bill 2011 has also been the subject of a number of meetings with regulators, industry and professional bodies. I participated in Regional Development Australia's Canberra Leaders' Consultative Forum. The forum's outputs directly contributed to the ACT Strategic Regional Plan 2011 – 12.

In closing, I'd like to thank our Director, Vesna Strika, our Deputy Director Colleen Mays and our Office Administrator Sue Harrison for their great support during the year. Our office bearers provide hours of volunteer support to the Division and its members; the success of Canberra Division relies on those active and enthusiastic committee members.

I also extend my best wishes to Doug Mitchell, our incoming President of Canberra Division and Andrew Montgomery our incoming Deputy President. I wish you all a Merry Christmas and happy and prosperous 2012. It's been a great pleasure and a thoroughly enjoyable and busy 2011 as your President.

Jennifer Murray
Canberra Division President 2011

For the Canberra Division, 2011 was a very hectic year, with a range of challenges and a number of notable achievements. Several of the year's events resulted in good exposure, including events associated with the Canberra Engineering Excellence Awards. These types of events continue to raise the profile of Engineers Australia and our members not only within the local region but also nationally. Achievements against the six strategic Domains during calendar year 2011 were as follows:

Domain 1: Community Engagement

Canberra 100: Celebration of a Nation - work has progressed throughout the year on scoping appropriate projects which will celebrate, throughout 2013, the engineering contribution to the development of Canberra.

Australian Engineering Week (AEW) was held in the first week of August, with a good range of diverse activities, including:

- Two Public Forums on topical issues.
- Unveiling of the "Pin Oak" sign in the Engineers Australia Forest at the National Arboretum Canberra.
- Engineers Without Borders Student Challenge.
- Site visits to the Australian Transport Safety Bureau.
- Engineering Games.
- Weekend events included site visits to Cotter Dam Discovery Trail and an Electric Vehicle Display.

Overall attendances for the events held during the week were around 467, an increase on last year's event.

Domain 2: Body of Knowledge and Professional Development

The number of technical meetings held during the year continued to increase significantly to that of last year. As a comparison, in 2011 we had a total of 67 technical presentations, with a total attendance of 2,444 (highest attendance 77 and lowest 8, average attendance 36.5; compared with the 2010 statistics of 61 technical presentations, with a total attendance of 1,975 (highest attendance 100 and lowest 8, average attendance 32).

Note: These statistics do not include attendees at AEW events.

Some highlights during the year included:

- CELM Leadership Presentation, given by The Hon. Malcolm Turnbull MP, Shadow Minister for Communications and Broadband.
- The CELM chapter combined with the Risk panel to deliver a very successful half-day seminar on "Managing Risk in Major Projects", it was filled to capacity with 73 registrants (and we had to knock back 7 other potential registrations as there was no room).
- The Young Engineers continued to have an active program, with a number of social events. They again held a very successful Generation Exchange lunch with 128 attendees (with a YOHE theme and hands on activity).

At the start of the year, the Young Engineers also attended open days at each of the tertiary campuses

and the CIT to promote engineering to students and this in turn resulted in the increase in the number of student members.

- The Women in Engineering group held a number of events and had several informal “coffee” get togethers.
- There was a slight increase in the number of members involved in some of the committees and the Mechanical Branch has gone from strength to strength and become very proactive with a range of technical presentations and good attendance numbers.

It is noted that the number of applications for Chartered Status continued to be lower with 17 interviews conducted.

Domain 3: Leadership and Influence

The Division continues to develop its profile within government with a number of members being our representatives on a range of ACT government industry and community forums, including the ACT Government Industry Reference group. In addition to this, the Division also provided input into DV301.

Five (5) sitting ACT Legislative Assembly MLA’s were present at the Canberra Engineering Excellence Awards presentation dinner (another record).

Media coverage throughout the year was mixed and predominately related to the Engineering Excellence Awards, AEW activities and the Young Engineer of the Year.

Domain 4: Recognition, Promotion and Membership

The overall membership numbers increased during the 2011 calendar year reporting period. Numbers of paying members was slightly up by around 1.5%, while the number of free students increased by around 14%. The 1 December 2011 membership statistics showed a total membership base of 2402 (comprising 1,860 paying members and 542 free students) compared with the 1 December 2010 statistics which showed a total membership base of 2,309 (comprising 1,833 paying members and 476 free students).

2011 was declared the Year of Humanitarian Engineering (YOHE) and was launched by the Canberra Division in March. A number of activities were held throughout the year around the YOHE theme, including the Young Engineers Exchange Luncheon, as well as presentations during AEW.

The Young Professional Engineer of the Year was awarded to Christina West.

The Canberra Engineering Excellence Awards were launched in April at Cotter Dam Discovery Trail. Subsequently, 17 entries were received (a record number in the past 20 years). The Judges Panel awarded three Highly Commended prizes and three Engineering Excellence Award Winner prizes and these were announced at the Excellence Awards Presentation Dinner on 28 September which was attended by 216 guests.

There was some media attention surrounding the winners. Subsequently, one of the Canberra Division winners went on to win a national award at the Australia Engineering Excellence Awards, held at Parliament House in late November.

Domain 5: Education and Qualification

The Division was involved with a number of successful programs:

- the Engineering Games were a resounding success, and go from strength to strength, with over 400 participants this year. The Games sub-committee has been assessing and analysing the games and they introduced a new game this year.
- the Young Engineers and Women in Engineering groups attended several careers presentations at local Colleges and High Schools.
- the CELM chapter held a networking session for migrant engineers.
- A number of Student Prizes were awarded.

Domain 6: Internal Structure and Administration

Four copies of Canberra Reports newsletter were printed and directly mailed to members. Information on technical meetings and other events continues to be emailed to members on a weekly basis, with a reminder, “What’s on in Canberra this Week,” sent at the start of the week if there are more than two events being hosted by the Division in a given week. The noticeable increase in attendances at technical events appears to be an endorsement of this practice.

Early in the year the third staff member we had recruited in July 2010 decided that Division work was not her forte and she went back full time to her previous role in National Office.

Unfortunately, this left a gap in the Division for a number of months, however, we were fortunate to recruit a new staff member, Susan Harrison, in mid-May to assist with the ever increasing workload that continues to challenge us - particularly the increased number of technical presentations and the introduction of new technology and processes. The Division Office has, however, ensured that services continued to be delivered to members with very little noticeable disruption.

The Division Committee continued to include appointed representation from the young engineers, women-in-engineering, and the technologists/associates. The Advisory Forum met on four occasions.

My thanks to the Division Committee, the Advisory Forum and to all Branch/Panel/Group/Societies Chairs, and to other individual members for the support they have given the Canberra Division throughout the year. Also, my thanks to the other two staff members – Colleen and Sue - for accepting the challenge of working in a small Division environment and ensuring the smooth operation of the Division Office.

Vesna K Strika
Director

Branches & Panels

AUSTRALIAN SOCIETY FOR DEFENCE ENGINEERING

Chair: John Morrison
Committee: Denton Bocking
Ian O'Hara
Robert Elliot

The following presentations were held:

9 February 2011

Dr H James, DSTO
Modelling and Simulation for SEA 1448

13 April 2011

Mr J Redmond Australian
Customisation of the LHD

15 June 2011

RADM R Moffitt
Future Submarine Programme

13 July 2011

Dr A Jacopino
Performance Based Contracting

14 September 2011

RADM M Uzzell
Naval Engineering post the Rizzo review

12 October 2011

SQNLDR T Goad
An update on the F35 Joint Strike Fighter Program

16 November 2011

BRIG W Budd
A presentation on IEDs

ASDE Canberra continued to promote Continuing Professional Development (CPD) through the presentations listed above, and wish to thank all of the volunteer presenters.

ASDE presented the annual ASDE major sponsor prizes to ADFA engineering students at the annual ADFA awards ceremony in December 2010:

- PhD or Masters by research in Engineering (Dr Robert Hruschka, in absentia)
- Masters of Engineering Science (FLT LT Amool Akshay Prasad, in absentia)
- Aeronautical Engineering (PO Christopher Hill)
- Civil Engineering (Officer Cadet Nicole Sutton)
- Electrical Engineering (PO Matthew Gibbons)
- Mechanical Engineering (Sub LT Filberto Hernandez).

ASDE expects to provide the ADFA awards again in 2011.

The Canberra Chapter members contributed to the Engineers Australia Humanitarian Engineering planning effort during this reporting year.

ASDE Canberra on behalf of ASDE National in 2010 worked closely with DMO to arrange an ASDE/DMO Defence Engineering Conference, held in November 2010. ASDE was a major sponsor of this very successful event. Following on from the success of that event, a two day conference is proposed to be held in Melbourne in 2012, with one day reserved for DMO attendees only and one day jointly with industry/Engineers Australia. It is proposed that DMO will engage Engineers Australia and the ASDE through the Victorian Chapter.

Issues

All presentations were well attended, with an average attendance of 20 -30 people, so as high as 80 people. At the November AGM members were asked once again if they wish to join the Committee. The contribution from the new 2011 Committee member, CAPT Elliott, is noted as having been very useful in shaping and delivering the programme for this year. ASDE thanks him for his active participation but note that due to changing work commitments CAPT Elliot must step down from the Committee for 2012.

Conclusion

2011 has been a positive year for ASDE Canberra. Interest in presentations remains high, and a good attendance is always present at the presentations organised. The Committee continue to manage a presentation on approximately a bi-monthly basis throughout the year.

John Morrison
Chairman

CELM (Centre for Engineering, Leadership and Management)

Chair: Mike Evans
Committee: Lex Clark
Simba Kippaya
Bob Nairn
Liam Waldron
Jega Janarthana

During 2011 the Chapter's Technical Meetings program provided four presentations. These presentations alternated each month with those provided by the Risk Engineering Society. The April meeting focused on engineers coming from overseas to work in Australia and those involved with working overseas, the needs of such members was explored at the meeting.

The Hon Malcolm Turnbull MP was the speaker for the Annual Leadership Presentation, held over lunch at Parliament House on Tuesday 21 June 2011. The well received presentation was titled "Leadership Reflections and Australia's Broadband Future" and provided a clear and informative picture of the issues in developing the nation's broadband infrastructure.



Mike Evans presenting Malcolm Turnbull MP with "Canberra's Engineering Heritage" book.

In early November the Chapter, in conjunction with the Risk Engineering Society, held a successful half-day seminar on "Managing Risks in Major Projects." The seminar had over 70 people attending, this being limited by the size of the venue.

Mike Evans
Chair CELM Chapter.

CIVIL/STRUCTURAL BRANCH

Chair: Andrew Montgomery
Civil College Rep: Jeff Howard
Structural
College Rep: Tarek El Ansary
Committee: Colin Kish
Gerin Hingee
Luis Martinez
Evan Langham

Activities for the 2011 calendar year included:

8 February 2011 - Joint Presentation with CELM
Mike Evans
Risk, Bridges and Design Management

22 February 2011
Denton Bocking, Andrew Montgomery & Gerin Hingee
Quality of Building in the ACT

22 March 2011
Andrew Montgomery
Reduced Capacity of Paths of Egress – An Anthropometric Perspective

4 May 2011
Eminent Speaker - Emeritus Professor Paul Grundy
Disaster Risk reduction and the Engineer

26 May 2011
Dr Rob Heywood
Christchurch Earthquake – The Experiences of a USAR Engineer

24 June 2011
An Engineering Forum
Discussion on grey areas of structural design in the ACT

Attended by 16 engineers, the forum identified areas of concern included: Design input, Construction supervision, design details and legal issues. Support for issue of Practice Notes was recorded.

28 June 2011

Eminent Speaker – 2010 Sir John Holland Civil Engineer of the Year - Professor Tony Wong
Waste Sensitive Design for More Sustainable Developments

26 July 2011

Luis Martinez & Elizabeth Rocholl
ITAIPU – The Big Hydroelectric Dam in the Parana River Built by Brazil & Paraguay

8 September 2011

Michael Rae, Mike Baldwin & Mal Wilson
Formwork Collapses on Concrete Pours

27 September 2011

Owen Hammond
Expedient Structural Damage Assessment & the Synergies between Safety Damaged by Explosives & Natural Disasters

25 October 2011

Gavin Halling
Risk Management – How to Improve your Business

The joint presentation with MBA & AIB was well attended. It is planned to have more presentations in 2012. Contacts were established with Australian Building Institute, Master Builders Association and Institute of Architects Australia. Further contacts will be made with Institute of Building Surveyors.

Discussions at Engineering forum highlighted the existing requirement that engineers in NSW had to be NPER to qualify registration. This is a requirement for issue of Compliance Certificates

Program for 2012 e-mailed to members for comment.

Andrew Montgomery
Chair

ENGINEERING HERITAGE CANBERRA

Chair: Lyndon Tilbrook
Secretary: Robert Breen
Treasurer: Ken Hughes
Committee: Keith Baker
Bob Dunn
John Kemister

Corresponding
Committee: Ross McIntyre
Robert Harvey
Alan Christie
Bill Hickson

Oral History Program

Action was completed to convert all EHC analogue oral history recordings to digital format for holding on a dedicated hard disk drive by the Division office.

Oral History Recordings were made of Past President of Canberra Division, Bob Nairn and Retired Chief of Army LTGEN Ken Gillespie during 2011.

Both recordings were completed on behalf of EHC by Dr Margaret Park, and a copy of each will be placed in the ACT public Heritage Library collection.

Australian Engineering Heritage Recognition Program

Canberra's Main Outfall Sewer has been awarded recognition under the Engineering Recognition Program. Credit for the successful nomination is due to Rob Breen who compiled the nomination documentation and Keith Baker, who had previously conducted a study of the Main Outfall Sewer. Difficulty has been faced in arranging the siting and unveiling of a plaque and interpretive panel to mark the Sewer, and discussions are continuing with the NCA and the relevant ACT Government Departments.

Engineering Heritage Website

Further development of the Committee's EH website continued during 2011. Plans continue to scan Recognition Program nomination documents to make them available for research through the website.

Engineering Heritage Australia

EHC hosted the November 2010 meeting of the EHA National Committee in Canberra. As part of the meeting, a visit to the Australian War Memorial Annex was arranged by EHC panel member John Kemister for National Committee members, which was warmly received.

Lyndon Tilbrook and Keith Baker represent EHC on the EHA National Committee. Lyndon serves as Assistant Editor for the EHA Newsletter and Keith serves as immediate past Chairman on the Executive, and chair of the Monash Medal award review sub-committee.

Technical Presentation

EHC members prepared and presented a Technical Presentation to Canberra Division members during April 2011 describing the activities of EHA and the Heritage Recognition Program.

Engineering Heritage Conference

Members of EHC and Canberra Division office staff attended the Engineering Heritage conference held in Hobart, 14-16 November. Apart from enjoying the high standard of technical presentations, the conference served as a value learning exercise in preparation of Canberra Division hosting the Engineering Heritage Conference scheduled to be held in November 2013.



Rob Breen and Bob Dunn at the Anglesea Barracks Hobart

Canberra 100 Celebrations

EHC Chair, Lyndon Tilbrook is participating on the Canberra 100 Celebration sub-committee of the Canberra Division of EA. Numerous heritage activities are planned as part of the celebrations leading up to 2013 including:

- A rerelease of the book 'Canberra's Engineering Heritage'.
- Hosting the EHA National Conference in Canberra in 2013.
- Engineering heritage recognition for Parliament House.

EHA is pleased to be involved in the Canberra 100 celebrations and will work hard to ensure the success of those activities selected for progression.

Lyndon Tilbrook
Chair

ITE&E BRANCH

Chair	Liam Waldron (Fellow) (Jan – Aug) Andrew McLarty (Sept – Current)
Elect.Coll Rep.	Jega Janarthana
IET Rep:	Ian Noble
ITEE College	John Gordon (Fellow)
IEEE Rep.:	Martin Leaver
Committee:	Xu Huang (Fellow) Jeff Bollard (Fellow) Peter Herbert Jennifer Murray Jeff Bollard Kurt Pudniks (part of year)

The Canberra Division of Engineers Australia host the Information, Telecommunications, Electronics and Electrical (ITE&E) Branches presenting a local point of contact for members of both the Electrical Engineering College and the Information, Telecommunications and Electronics Engineering (ITEE) College. The Branch works co-operatively with the institution of Electrical Engineers and Technologists (IET) and the Institute of Electronics and Electrical Engineers (IEEE).

The objectives of the ITE&E Branch are:

- a) To conduct activities which further the interests of those engaged in information, telecommunications, electronics and electrical engineering;

- b) To encourage and facilitate the development of information, telecommunications, electronics and electrical engineering in the ACT and surrounding regions.

In support of continuing professional development of Engineers Australia membership and in conjunction with the ACT Section of IEEE and the IET NSW Centre, the ITE&E Branch Committee conducted the following activities at Engineering House, National Office:

- Branch Meetings
- Technical seminars; and
- The ITEE Society Student Presentation Award Night (ITEESPAN).

2011 has been a busy year for the ITE&E committee with a number of changes due to work commitments etc. The committee has been without a WIE Representative for the year and the YEA representative departed early in the year due to change of work location. The elected Chair of the committee, Liam Waldron resigned from the position of Chair in August. Liam has indicated that he would remain on the committee, but wishes to focus on Centre for Engineering Leadership and Management (CELM) and National Center for the Study of Privatization in Education (NCSpE) activities. The September committee meeting appointed Andrew McLarty as Chair for the remainder of the year.

The 2011 Technical Programme of 12 technical presentations and represented a total of 311 recorded hours of CPD for members (conservative, as numbers include only those recorded present by way of signature). The IEEE contributed one presentation to the technical program this year.

ITEE Student Presentation and Award Night (ITEESPAN) has once again been the highlight of the program. In this event, fourth year (honours) students representatives from two Canberra Universities, namely The Australian National University (ANU) and The Australian Defence Force Academy (ADFA) University of New South Wales, present their honours year project in competition before a panel of judges from industry and academia. In October 2011, the Master of Ceremonies was Liam Waldron and ITEESPAN Student Presenters were:

- ADFA: PLTOFF Warrick Jones - Modelling & Design of Photovoltaic Systems - "A brief analysis of current knowledge and technology";
- ANU: Brad Mound - SWINGBUDDY, Golf Swing sensor system;
- ADFA: PLTOFF Martin Lee - Bio-inspired Active Sonar for Object Classification; and
- ANU: Philip Gregory - Application of FPGA to RADAR signal acquisition; WIND PROFILER RADIO.

ITEESPAN Judges were:

- Martin Leaver MIEAust, Chair of Judges, IEEE Committee

- Imon Chodhury MIEAust CPEng, Manager – Strategy, Accenture Management Consulting, Accenture
- Dr Jonathan D. A. Clarke, Vice President, MARS Society Australia
- Dr Graham Durant-Law CSC, Director, HyperEdge;



The presentations were all of a very high standard. The winner of ITEESPAN 2011 was Mr Brad Mound

(ANU). He received a prize of \$500 and a certificate. The runners up were each given a certificate of participation. The prize and certificates were presented by the President of the Canberra Division Jennifer Murray.

The ITEESPAN Occasional Address for 2011 was presented by Dr. Alex Zelinsky, Group Executive, Information Sciences research at CSIRO.

The ITE&E Branch Committee for 2012 was to be determined at the AGM held on 15 Nov 2011. A number of the nominated committee members were unable to attend the meeting so final decisions and election of the Chairman for 2012 will be determined at the December meeting.

ITE&E Branch Technical Programme for 2011:

ITE&E Branch, IEEE & IET Joint Presentation 15 February 2011

John Rogers, Principal Lighting Engineer, Parsons Brinkerhoff

Evolution of Tunnel Lighting Techniques

Attendance: Members 23 non 25

ITE&E Branch, IEEE & IET 15 March 2011

Andrew Hammond – JP2030 Phase 8 Program Test Manager

Software Performance Testing: What lessons can we learn from 24 hour mountain bike racing

Attendance: Members 18 non 17

ITE&E Branch, IEEE & IET 19 April 2011

Craig Benson – Senior Lecturer at UNSW @ ADFA
Positions, Velocity & Time: How Satellite Navigation Systems are Changing the World

Attendance: Members 55 non 15

ITE&E Branch, IEEE & IET Joint Presentation 17 May 2011

Samuel Fernandes & Marc Antonio Amaral Feris
Applying Six-sigma Methodology to Environmental Project Management

Attendance: Members 21 non 4

ITE&E Branch

21 June 2011

Ass Prof Stephen Roberts – Head of Dept Mathematics ANU

Predicting the Flow of Tsunamis & Floods

Attendance: Members 20 non 16

ITE&E Branch

19 July 2011

Doug Stapleton – Exec IT Architect & National Security Service Federation Across Business Domain Boundaries in a Multi-Vendor ESB

Attendance: Members 23 non 7

ITE&E Branch

16 August 2011

Len Bui – Faculty of Information Sciences UC

Novel Metric for Local Pattern Histogram for Face Recognition

Attendance: Members 21 non 3

ITE&E Branch

20 September 2011

Len Bui – Faculty of Information Sciences UC

Novel Metric for Local Pattern Histogram for Face Recognition

Attendance: Members 29

ITE&E Branch

18 October 2011

Dr Alex Zelinsky – Leads Information Sciences Research at CSIRO

ITEE Student Presentation Award Night - ITTEESPAN

Attendance: Members 28 non 9

ITE&E Branch & SSEE

15 November 2011

Renee Kuypers, Construction Manager Infigen Energy Wind Power

Attendance: Members 23 non 3

Recently the ITE&E committee has initiated the Software Engineering and Architecture - Joint Technical Program (SEA-JTP) as a new activity commencing in October. A similar program operates monthly in Adelaide and is in its 2nd very successful year. This activity is linked with ITEE College Board and National Committee on Software Engineering (NCSWE) initiatives in relation to 'software engineers having a home in Engineers Australia' and having a technical program that specifically targets that audience. This initiative is intended to provide software engineers greater feeling of EA providing for their needs. A subcommittee arranges the presenters for this programme. Two successful seminars have been delivered so far.

ITE&E Branch and SEA-JTP Technical Seminar Programme which commenced in 2011 has included:

ITE&E Branch & SEA -JTP

13 October 2011

"I wish I'd known that 6 months ago....."

Ms Kim Lambert - Grad Dip Technical Services Group Manager Unisys

Attendance: 27 Members

ITE&E Branch & SEA -JTP

2 November 2011

Up all Night with Models

Richard Allen BS MS CEA

Attendance: 2 Members 23 non 11

Andrew McLarty

Chair

MECHANICAL BRANCH

Chair & College Rep:

Committee:

John Couldrick

Graeme Field

Partha Bhattacharya

Lenny Bruce

Fred Fernandes

Sean Houzey

Kevin Shen

Michael Smith

Sebastian Tops

Past 12 Months - 2011

Over the last 12 months there has been a change of the Chairman from Graeme Field to Jonathan Couldrick. I'd like to thank Graeme for his work over his time as Chairman in leading the Canberra Division Mechanical College and also his input as the representative at the National level. Graeme, reinvigorated the committee at the end of 2010 so that there are now 9 members for organising Technical Presentations

The committee has developed a fuller technical program to meet the needs of the region and squarely on track to achieve the target at least six presentations in 2011, with the final presentation coinciding with the AGM at the end of November.

Mechanical College & RAeS Canberra

15 March 2011

Eminent Speaker – Dr Mark Shuart – Senior Advisor for Composites & Structures NASA Langley Research Center, USA

Advanced Composites Technologies for Heavy Lift Vehicles

20 April 2011

Eminent Speaker – Dianne Boddy – 2010 AGM Michell Mechanical Engineers of the Year

Great Design Engineers = Great Achievers

25 May 2011

Marion Burgess and Jeremy Lofts

Dealing with Noise Conflicts from Mechanical Plant existing/new Developments

29 June 2011

Brent Gibbs – TENIX Australia

Membranes & Treatment Plants

31 August 2011

Mark Davis – Department of Climate Change & Energy Efficiency
Commercial Building Energy Use

30 November 2011

Dr Kevin J Foster – Aurecon
“Unstable Risk Management Systems: How to manage risk in a changing operational environment.”

As a committee we are exploring the concept of a Mechanical Engineering Award for a local university. We have started to scope the introduction of an award at the Division level to promote engagement with the community and to bridge the gap meeting student members and full members of Engineers Australia.

Next 12 months - 2012

The aim for the next year is to maintain the level of presentations in number, stretch goal and quality. We have already identified the sixth presentation for 2011 and may host a seventh depending on venue. In 2012 we have three presentations identified and the aim is to be able to lock presentations in at least 3 months prior to the date. This should provide a better attendance as communication in Canberra has to be via email and newsletter mail-out due to our diverse membership. Having presentations 3 months in advance allows inclusion in the newsletter, which greatly enhances attendance.

We hope to formalise with Engineers Australia the Canberra Division Mechanical Engineering Award over the next 12 months. This requires alignment with current internal policy and that of a local university, which we are still to formally approach.

Overall, the new committee is well and truly inducted into the Canberra Division and should deliver the quantity and quality of presentations expected of our membership. Furthermore, we hope to engage more with the wider community through various avenues to promote awareness and hopefully to increase membership.

John Couldrick
Chair

RETIRED ENGINEERS GROUP

Convenor: Graham Conran
Committee: Lawrie Gillard
Des Pain
Ron Goleby

The Group continued with its usual schedule of 10 meetings/activities for the year and had an average attendance of 16 for the meetings and in excess of 20 for the activities.

We had a visit and tour of the Cotter Dam site in February, with another planned for early 2012, and our End-of-Year and Mid-Year luncheons.

Oral presentations were from Alan Asquith, Russ Richards and David Rossiter. In April we had a Panel

Discussion covering a number of general topics and the remaining meetings allowed for some of our group to recount to us their career stories. We are continuing to be amazed at the breadth, depth of knowledge and experiences of our members and we will be continuing to explore this in the coming year.

Although the Group has been in existence since the early 1990's it has seen a continuing change in membership as age takes its toll but some of the original members still remain and form a strong base while new and younger members are ensuring a rosy future.

Graham Conran
Convenor

RISK ENGINEERING SOCIETY

Chair: Brian Charlton
Secretary: Subhash Dang
Committee: Mike Evans
Jeff Bollard
Des Henderson-Kelly

Our 2010 program concluded on a high note – our hard-act-to-follow joint Seminar with the Australian Defence Force Academy.

This introduced us to our first speaker for 2011:

9 March 2011

Dr Alan McLucas - Senior Lecturer in the School of Engineering and Information Technology at the Academy
Risk Management in a Complex World: Improving Situation Awareness.

Alan's abstract began: 'Coping with complex risks has been described as "driving down the road with your wind-screen blacked-out, using only your rear-view mirror to see where you are going."' This presentation covered developments into the analyses of a few disasters and accidents. We value the inspiration given towards improving our risk management skills.

We were not able to find a speaker to provide our May presentation.

12 July 2011

Brian Charlton
The Mini-skirt, Climate change & our Continual Search for Excellence.

Brian discussed his Life Engineering ® system. This system is designed to modify ordinary risk management principles to suit the needs of any individual.

13 September 2011

Graham Conran
My Small Arms Factory Story
Our year finished also this high note with a fascinating talk on metallurgical matters by Graham Convenor of the Retired Engineers Group. Graham has had an enviable career ranging from Supervisor of the Port Kembla coke ovens with AIS, through Head of Laboratories, Small Arms Factory Lithgow, to Chief Metallurgist, R and D

Development and Royal Australian Mint. We were given virtually a full outline of specialised steel production and fabrication developments from 1945, laced with many illustrated stories, not excluding investment cast golf irons.

Our final event was a joint Seminar with CELM Canberra Chapter:

3 November 2011

Managing risk in Major Projects

Following a buffet lunch, the afternoon seminar had Six presenters with an audience of 72 people.



The Chapter appreciates the efforts provided by the speakers and Division in addition to our strong audiences.

The Sydney Chapter is organizing the RES 2012 National Conference.

Brian Charlton
Chair

SOCIETY FOR SUSTAINABILITY AND ENVIRONMENTAL ENGINEERING

Chair & Environmental College Rep:	Adrian Piani
Committee:	Colin Kish Peter Herbert Julian Lepetit Richard Dale Patrick Paynter Hayley Jones

It's been a great year for the SSEE in the ACT. We've had heaps of diverse, interesting, and well attended technical presentations. A highlight was the 100+ people that turned out to find out more about electric cars and the proposed electric car network in Canberra.

SSEE ACT also held a bus tour as part of engineering week to show-case Canberra as an alternative energy hub. A full bus of 50 people spent a day looking at the impressive range of energy sources being utilised in and around Canberra including the solar concentrators at the ANU (or the 'death ray' as I like to call it), the Woodlawne Bioreactor turning Sydney's rubbish into energy, and windfarms around Bungendore.

Our technical presentations covered a range of sustainability topics including:

A big thanks goes to the committee, (Julien, Haley, Patrick, Nigel, Richard, Colin, and Peter!) and I am happy to welcome Michael who has recently joined after seeing the light and moving to Canberra from Perth. There is a chance that ACT will be holding the next Australian SSEE Conference planned for 2013 so watch this space! I look forward to bigger and better things next year! (can it be done?)

Adrian Piani
Chair

TRANSPORT BRANCH

Chair:	Jeff Bell
Members:	Neil Graham Tom Brimson Bob Nairn Tim Rampton Shukry Sahhar

The 2011 program had a variety of speakers, topics and forums. During the year the Transport Branch had six presentations predominately focussed on sustainable transport, with good attendances and interest.

Technical Presentations

Thank you to all the speakers and attendees that participated in the following presentations during the year:

17 February 2011

Brett Maynard GradIEAust, (Associate Director GTA Consultants)

The ACT Sustainable Transport Plan – Hitting the Targets.

17 March 2011

Bob Nairn BE, BEc, FIEAust, CPEng, EngExec

The Impact of Transport Accessibility on Property Prices in ACT

19 September 2011

Blair Monk (ITS and Transport Planning Service Group Manager, GHD)

Route Optimisation, the Auckland experience.

20 October 2011

Jeff Bell (Senior Project Manager, LDA)

Summary of AITPM National Conference 2011

17 November 2011

Tom Brimson (Technical Director, AECOM)

Point to Point Speed Cameras in the ACT and New Zealand

There were good attendances at all presentations, varying from about 10 people though to 25 or more.

AGM

The AGM for the Transport Branch was held on Thursday 17 November 2011. The meeting was used to elect the committee for 2012. No new nominations were received

for a position on the committee and no existing committee members indicated that they wanted to step down.

The division members that were present on the day voted to retain the existing committee.

Jeff Bell
Chair

WOMEN-IN-ENGINEERING

Chair: Kelly Lance
National Rep: Clare Banks
Girl Talk Co-ordinator: Tamara Perry
WIPM/NAWIC Liaison: Julie Pearson
YEA Liaison: Erin Stonestreet
Webpage Coordinator: Jo Fegan
SSEE Liaison: Haley Jones
Committee: Shannan Forrest

2011 Summary for WIE Canberra

- **26 January 2011** COFFWIE at Fat Goanna Cafe
- **7 February 2011** WIE Meeting 5.30pm
- **22 February 2011** COFFWIE at Fat Goanna Cafe
- **8 March 2011** COFFWIE at War Memorial Cafe
- **8 March 2011** International Women's Day Lunch hosted by WIPM and NAWIC
- **6 April 2011**
Presentation by Mark Toner "
For Female Engineers: The Corporate Game, How to Improve your Career Prospects in a Male-Dominated Organisation"
- **27 May 2011** eXchange lunch with YEA/EWB/WIE
- **24 May 2011** Narrabundah Career Expo : Clare Banks attended.
- **26 May 2011** Queanbeyan High School, Codarra Robotics Challenge
- **1 June 2011**
Presentation by Laura Cabrera
Human Enhancement & the Role Engineers Play in Such and Enterprise
- **6 June 2011** Hawker College Career Expo: ChristinaWest attended
- **6 July 2011** St Clare's College mini Career expo (2-6pm) for yr 10s:
- **19-22 July 2011** ICWES Conference in Adelaide
- **15 August 2011** Canberra College Career & Transition Expo: Hayley Jones attended.
- **5 October 2011**
Presentation by Louise Carter
Languages that Influences and Persuades
- **7 November 2011** WIE CBR AGM
- **25 November 2011** WIE National Meeting in Canberra

YOUNG ENGINEERS

Chair: Ben Foley
Vice Chair: Matt Curtis
Secretary: Andrew Airey
National Rep: Christina West
Website Officer: Chris Dowton

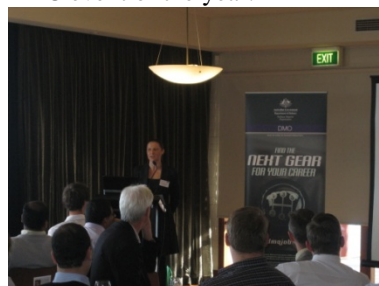
Events Coordinator: Nicole Cocks
WIE Liaison: Jo Fegan
Marketing & Communications: Grant Baldwin
ITEE Liaison: Kurt Pudniks (part of year)
General Members: Suzie Morris
Erin Stonestreet
Leon Sadkowsky
Winey Suen
Sam Dunning

2011 Summary

In 2011, YEA-C continued to service the Engineering and Technical community of Canberra through organising technical, networking and professional development events. These events have been conducted in collaboration with fellow professional committees, local engineering companies, community organisations and of course Engineers Australia.

This year saw the return of a number of events from 2010 as well as new initiatives. Highlights for the year include the return of the Exchange Luncheon and a new prominent event, the Engineers Great Debate.

The eXchange Luncheon sponsored by DMO was held in partnership with Women in Engineering and Engineers Without Borders themed around the 2011 Engineering theme; Year of the Humanitarian Engineer. With over 100 attendees, the Exchange Luncheon continues to be the standout YEA-C event of the year.



Guest Speaker Captain Clare O'Neill



The Engineers Great Debate pitted a few brave Young Engineers against hordes of Young Lawyers in a social debate themed around who would make the better politicians. Guest adjudicators for the night were: The Hon Shane Rattenbury, Mark Sullivan and Jennifer Murray. Regrettably, the Young Lawyers won the day – but 2012 isn't far around the corner!

Other 2011 events included:

- Welcome BBQ for CIT, UC and ANU
- Attendance at the Daramalan College Post School Options evening
- Space Flight for less (held in conjunction with American Institute of Aeronautics and Astronautics, AIAA)
- Engineering Games as part of Engineering Week
- Cotter Dam technical site visit
- Chartered Status Explained presentation

With the end of the year fast approaching, the YEA-C is looking forward to another exciting year of Engineering!

Andrew Airey
Secretary
Young Engineers Canberra

Australian Engineering Week

This year's engineering week was a fantastic success it featured many new as well as our traditional and well-loved events.

The unveiling of the plaque at the Arboretum by Minister Barr, National President & Canberra Division President was well attended on a beautiful Canberra Day.

The Bus Tour "Natural Energy Tour" was a fabulous success visiting ANU, Woodland Mine and the Bungendore Wind farm. On board entertainment was provided by Adrian Piani and Colin Kish was an added feature.

Australian Transport Safety Bureau opened its doors and gave an insight into how investigations into some of Australia's most prominent air, rail and sea disasters are investigated and solved.

Fire Safety Workshop on "Fire Safety" was presented by ACT Fire Safety Section and ACT Rural Fire Brigade. Those that attended were shown how Canberra is served by a dedicated well trained and equipped team.

Engineering Games Competition, were attended by over 400 students who showed their engineering expertise by building straw towers, bridges from spaghetti and mousetrap racers.

Discovery Trail tour of the Enlarged Cotter Dam was braved by many despite rail and wind.



Electric Vehicle Display attracted many Canberrans as it featured new and old electric vehicles. The Voltron electric racing bike which can reach 180 km/h was a popular attraction.

I wish thank the many organisations and their staff that assisted in making this year's Engineering Week a success.

A thank you is also extended to Helen Leayr for arranging media releases with Canberra Times and the radio interview with station Mix 106.3.

A special thank you to the Engineering Week team, volunteers and the Canberra Division Staff.

Andrew Montgomery
Chair Engineering Week.

Engineers Australia Forest in the National Arboretum Canberra

On 2 August 2011, the Deputy Chief Minister, Mr Andrew Barr MLA, together with Ms Jennifer Murray (President, Canberra Division) and Mr Rolfe Harley (Past National President) unveiled the "Pin Oak" forest sign at the National Arboretum Canberra (what we fondly refer to as the Engineers Australia Forest).

Engineers Australia was the first non-profit organisation to 'sponsor' a forest of trees in the Arboretum, which were ceremonially planted on 19 May 2009 in celebration of the 90th anniversary of our national organisation. The project was unanimously supported by our national governing body, Engineers Australia National Council, who were also in Canberra at that time and actively participated in the event. Both the National President and the Canberra Division President also officiated at the ceremony.

Engineers Australia has a long history with tree planting in the national capital, dating back to 1926, when The Institution of Engineers, Australia was one of a dozen organisations (mainly national in coverage) that sponsored the planting of trees in Canberra Avenue, Griffith, ACT (around what is now known as Manuka Circle). The Institution sponsored some 96 trees, and on a visit to



Canberra in August that year about a dozen members, and some wives, planted a token 36 trees in the names of past and present Councillors, of benefactors of the Institution, and of its several Divisions.

The record of this planting is recorded in the Institution's Annual Report for the year 1926 and is also contained in a framed document which recorded the names of all those involved in the planting as well as those in whose name trees were planted and now holds pride of place in the Canberra Division offices, eliciting many a discussion from both members and visitors.

The date of the unveiling was significant as it happened to be the 85th anniversary of that original tree planting in Manuka Circle.

Members still have an opportunity to sponsor a tree in the Engineers Australia forest. Just contact the Division Office on 02 62706519 for further details

ENGINEERING GAMES

Another successful Engineering Games was held on 5 August 2011. Registrations were up from last year (over 200 teams) and the number of participants was also considerably higher as evidenced by the overflow from the Science Show put on by Questacon in conjunction. The Games consisted of six competitions including a new one (Geodesic Dome)



introduced following calls for suggestions from the 2010 participants. The new competition was attended with enthusiasm if not in number of entries. Some improvements were made from last year including better crowd

management and test throughput.

Feedback addressed in this year's washup meeting on 24/8/2011 will help further improve operations next year. We will be looking at laptop entry of results to speed up final presentation, some improvements will be made to the results forms and



database, the notices will be sent out to schools earlier next year and the deadline chosen to avoid school holidays, a launch system will be built for the hovercraft, the spaghetti bridge support structure will be repaired, and a new electronic game will be explored.

The Engineering Games Committee appreciates the tremendous effort put in by Colleen Mays, assisted by Sue Harrison and Vesna Strika. The volunteers on the evening did a great job and it is good to see some returnees. The support from Questacon is also greatly appreciated, as is the support from teachers and parents. We believe the participants had a lot of fun taking part, and in the process got some appreciation of what engineering is about.

The Organising Committee
Engineering Week
Engineering Games 2011

Canberra Engineering Excellence Awards

Canberra Division participates in the National Engineering Excellence Awards every second year. The 2011 Canberra Division Awards were launched in April at the site of the Enlarged Cotter Dam project by ACTEW Corporation Chief Executive, Mark Sullivan.



Jennifer Murray Canberra Division President with Mark Sullivan ACTEW Corporation Chief Executive



Sponsorship was received from ACTEW Corporation, the ACT Government and Tennix. This was all the more appreciated given the uncertain financial times.

Seventeen entries for the Canberra Division Engineering Excellence Awards were lodged. The Awards Presentation Dinner was held on 28 September 2011 at the Hyatt Hotel, Canberra.

Entrants in this year's awards represented an impressive range of projects and the judges commented on the high caliber of all entrants.

The winner of the ACT Government's New Technology and Innovation Award was CEA Technologies Pty Ltd for the very impressive ANZAC ASMD Active Phased Array recently installed on board HMAS Perth as part of the Anti Ship Missile Defence Upgrade Program for eight of the ANZAC Class Frigates.

Engineering Excellence Award Winners were:

- CEA Technologies Pty Ltd for the ANZAC ASMD Active Phased Array;
- National Capital Authority, Johnson Pilton Walker, Taylor Thomson Whitting, Warren Smith & Partners, SMEC and Woden Contractors for Kings avenue Overpass; and
- Aerospace Concepts Pty Ltd for Antarctic Broadband – Definition and Capability Development.

Highly Commended awards went to:

- Research School of Engineering, ANU for the Generation II Big Dish Solar Concentrator Prototype;
- Datapod Australia Pty Ltd for the Datapod System; and
- Roads ACT, Aurecon and Roads & Traffic Authority NSW for Tharwa Heritage Bridge Restoration.

Thanks are extended to hard working panel of judges, namely, Margaret Rossiter (Chair), Gordon Davidson, George Tomlins, Annabelle Pegrum and Ross Barrett.

Appreciation is also extended to the members of the Organising Committee, Christina West, Doug Mitchell and Tarek El Ansary and the Division Office staff Vesna Strika, Colleen Mays and Susan Harrison, for making it all happen.

Mike Evans
Chair Excellence Awards Organising Committee.

Awards

Canberra Division Young Professional Engineer of the Year Award

Canberra Division President, Ms Jennifer Murray, presented the 2011 ACT Young Engineer of the Year award to Ms Christina West on Tuesday 21 June 2011.

Christina is a chemical engineer in the Environment and Water Group for GHD, based in Canberra. She has worked on a range of water based projects since graduating, including most recently the ACT Government's Canberra Integrated Urban Waterways Project which will provide storm-water to water ACT sporting fields.

Christina is a graduate of Engineering from the University of Sydney and relocated to Canberra in 2007.



Christina West accepts her award from Canberra Division President Jennifer Murray and CELM Chair Mike Evans.

Engineering Graduates Prizes

The Canberra Division Awards program continued during 2010. The following awards were given for scholastic achievement in 2010.

Arthur Corbett Medal UNSW@ADFA
PLTOFF Ben Faulkner

Engineers Australia Excellence in Engineering Award Canberra Institute of Technology

Thomas Tunningley for The Best Academic Achievement in the Engineering Diplomas and Advanced Diplomas.

H A Jones Medal, Australian National University



Jennifer Murray Canberra Division President presents Pei Leong with the H A Jones Medal

Fellows admitted during 2010

Congratulations to the following members on being admitted as Fellows of Engineers Australia during the period 1 December 2010 to 30 November 2011.

Honorary Fellow

Mr Peter Taylor
Professor Ian Young

Fellow

Mr Terry Halestrap
Dr Gnanendran Carthigesu Thiagarajah
Dr Peter Bates
Adj. Professor Robin Eckermann
Mr Janarthana Jeganathan

Eng Exec Status

The following members attained EngExec status during the period 1 December 2010 to 30 November 2011.

Mr Gerard Foley
Mr Raymond Hentzschel

Members deceased during 2011

The Division is aware of the death of the following members during 2011.

Mr Howard Charles Grant
CMDR Graeme John Vagg
Mr George Ridsen Wraight

We extend our sympathy to the families and friends of these members.

Chartered Status

The following members attained Chartered Status during the period 1 December 2010 to 30 November 2011.

Mr Mark Blanchard
SQLDR Timothy Cantrill
Mr Ross Clarke
Mr Gary Crawford
Mr Mark Egan
Mr Dan Hoy
Mr Gavin Kellet
SQLDR Leanne Lee
Mr Stuart McLaren
Mr Peter Melville
Mr Simon Resch
Mr John Samoty
Mr Andrew Scholten
Mr Terry Sing Lee
Mr David Williams

Financial Report

STATEMENT OF FINANCIAL PERFORMANCE FOR THE YEAR ENDED 30 JUNE 2011

These Financial Statements for the Canberra Division are derived from the Group Consolidated Concise Financial Report for The Institution of Engineers Australia. They should be read in conjunction with the Financial Statements in the Annual Report of Engineers Australia 2010-2011.

Please note that it is not possible to compare 2010 with 2011 as the new Engineers Australia Strategic Plan 2010-2015 was adopted with six new Domains in lieu of the former eight Program areas.

	2011
	\$'000s
REVENUE	
Division Allocation income	369
Community Engagement	4
Body of Knowledge and Professional Development	26
Leadership and Influence	0
Recognition, Promotion and Membership	0
Education and Qualification	0
Internal Structure and Administration	0
Total revenue for ordinary activities	399
EXPENSES FROM ORDINARY ACTIVITIES	
Community Engagement	49
Body of Knowledge and Professional Development	99
Leadership and Influence	17
Recognition, Promotion and Membership	53
Education and Qualification	24
Internal Structure and Administration	131
Total expenses from ordinary activities	373
NET SURPLUS/(DEFICIT) FROM ORDINARY ACTIVITIES	26
	2010
	\$'000s
REVENUE	
Division Allocation income	323
Public Role & Professional Standing	36
An Inclusive Professional Team	8
Youth Appeal	1
Chartered Status	0
Continuing Professional Development	12
International Reach & Influence	0
Internal Communications	0
A Capable Organisation	0
Total revenue for ordinary activities	<u>380</u>
EXPENSES FROM ORDINARY ACTIVITIES	
Public Role & Professional Standing	124
An Inclusive Professional Team	17
Youth Appeal	23
Chartered Status	19
Continuing Professional Development	72
International Reach & Influence	0
Internal Communications	31
A Capable Organisation	93
Total expenses from ordinary activities	<u>379</u>
NET SURPLUS/(DEFICIT) FROM ORDINARY ACTIVITIES	1

Images from 2011 Canberra Engineering Excellence Awards

