Dean’s Report

Welcome to Engineering Sydney

Welcome to the first issue of our Engineering Sydney Newsletter. Engineering Sydney has been created in the Faculty of Engineering at the University of Sydney to bring together all the organizations within the Faculty that have strong external links. These include our four Foundations, our Centres, including the Warren Centre, and our Alumni organizations. At its formation this year, Engineering Sydney set out its aims which include:

- Developing alumni relations.
- Bringing industry and students together.
- Providing information services.
- Building involvement and support from industry and government.

The Board of Engineering Sydney consists of the Foundation Presidents and Directors, the Centre Directors and the President of SUEA (Sydney University Engineering Alumni). To ensure the link between industry and students is further developed, the President of SUEUA (Sydney University Engineering Undergraduates Association) is also a member. The Vice-Principal of University Relations is included on the board, providing a link to University of Sydney activities.

This wonderful team will ensure that the Faculty’s activities are widely known to the broader community, particularly industry, with a particular focus to communicate with our Alumni, over 9000 of whom are on the mailing list for this Newsletter. The Foundations and Centres will continue to have their own activities, but it is believed that many of these can be translated to the whole Faculty. A particular example is the Research Conversazione which was developed by the Electrical and Information Engineering Foundation, but will now be held Faculty wide on 28th October, 2005.

A major challenge is to get a consistent Faculty Alumni database so we can stay connected with all Alumni, most of whom are proud of their connections with the University of Sydney. Later in this newsletter, we ask you to log in to the University of Sydney website to confirm your details.

The first Newsletter has been designed to reflect the activities of the constituent parts of Engineering Sydney and to showcase some of the interesting activities of the Faculty.

Gregory Hancock, Dean of Engineering.

Keep in Touch

The University of Sydney Alumni Relations would like graduates of all faculties to register online with their current details. Please see page 6 for further instructions.
The University of Sydney held a presentation ceremony in the Great Hall of the People in Beijing, the People’s Republic of China, on 2nd September. We were the first university in the world to do this. More than 400 University of Sydney graduates and their families attended. The ceremony was presided over by the University Chancellor, Justice Kim Santow, with the Vice-Chancellor, Professor Gavin Brown, the Deputy Chancellor, Emeritus Professor Ann Sefton, the Deputy Vice-Chancellor Professor John Hearn, and the three College Pro Vice-Chancellors, Professor Beryl Hesketh (College of Sciences and Technology), Professor Don Nutbeam (College of Health Sciences) and Professor June Sinclair (College of Humanities and Social Science) in attendance. Most of the Deans attended, including myself, representing Engineering. The music was provided by the Conservatorium of Music with the Dean, Professor Kim Walker, in attendance. Many Engineering students who undertook the Master of Engineering Studies (MES), and the Master of Project Management (MPM) were present at the ceremony.

An alumni reception held at the Beijing Hotel in the evening after the ceremony was attended by around 700 guests.

A banquet held on 3rd September was attended by distinguished guests including the Presidents of Tsinghua and Peking Universities and the Vice-Minister for Education, Mr Zhang Xinheng. The activities recognized our graduates and research links in China and raised the profile of the University with the signing of a range of agreements including one with the Chinese Scholarship Council.

Jack Huang, Master of Engineering Studies Graduate and Greg Hancock, Dean of the Faculty of Engineering, outside the Great Hall of the People just before the presentation ceremony.

Master of Project Management Students with Pro-Vice-Chancellor Professor Hesketh (centre) and Dean of Engineering, Professor Hancock. Many of these graduates studied via distance education and have not been to Australia.
Faculty News

Sydney Uni Live

The University of Sydney Live Day was held on 27th August. This event showcases the University to prospective students in years 10, 11 and 12 before they make their UAC choices. The event was extremely well attended in the Faculty, particularly the lectures and demonstrations in the PNR theatres and drawing offices. A highlight of the displays was the first year Advanced Engineering students’ projects. This year’s projects included:

- **Pedair**: human powered flying machine
- **Flying Camera**: a small flying device with camera on board
- **Water Filter**: a low tech way to make clean water for remote villages
- **One Box**: a single remote for all home entertainment equipment
- **Bus Tracker**: bus positions, maps and routes on your mobile / PDA
- **Electro sterilisation**: an electronic way to sterilise surgical instruments

Energy Australia Fund Chair in Power Engineering

The Chief Executive Officer of Energy Australia, Mr George Maltabarow has advised us that they will fund a Chair in Power Engineering in the School of Electrical and Information Engineering for 5 years. This comes at a time when the University has funded a Sesqui Lectureship in the area with interviews about to take place, and the old power lab is about to be refurbished with funding from the University. We should be able to build a strong area in Power Engineering as there is increasing student demand.

Phil Jones Award Ceremony

Melanie Cariola was presented with the Phil Jones award at a cocktail function held at the Darlington Centre on 22 September. Exxon Mobil sponsor the Phil Jones award and the Esso Student Achievement Awards for 2nd, 3rd and 4th year students. Les Sarkady from Exxon Mobil presented the awards. The Phil Jones award was established in memory of Phil Jones, former Dean of Engineering, President of the Student Representative Council and Union President. The award recognizes a student with a high standard of academic achievement and participation in university affairs.

The 2nd year Esso Student Achievement Award was presented to Aimee Legge, The 3rd year award to Angus Leslie and the 4th year award to Graeme Pope.

Gregory Hancock, Dean, Engineering.
Chemical Engineering Foundation

August Foundation Meeting reviews Future Options for Power Generation

On Tuesday 2 August, members of the Chemical and Electrical Engineering Foundations met in the new Flexible Teaching Space in the Chemical Engineering Department to hear ideas on the future for power supply from

- Dr Clarence Hardy; Nuclear Power Association
- Mr Tristan Edis; Australian Business Council for Sustainable Energy
- Mr Bruce Cameron, National Electricity Market Management Co Ltd (NEMMCO)

Questions and comments ranged from concern over the potential problems from nuclear waste to the physics of global warming.

The debate was moderated by Adjunct Professor Michael Dureau, President of the Electrical Engineering Foundation and member of the executive of the Chemical Engineering Foundation. The debate continued around the bar and many took the opportunity to form new acquaintances.

The Flexible Teaching Space was well suited to the event. Several attendees reminisced about the former role of the space as workshops for the Chemical Engineering Department.

Chemical Engineering Undergraduates Clean-Up

Andrew Gadd and Andrew Sutherland, final year students in the Department of Chemical Engineering, won first and second place in the Australian Water Association Undergraduate Water prize, sponsored by the NSW Department of Commerce and awarded at the Heads of Water 2005 gala dinner. Andrew Gadd’s first place winning thesis was ‘Removal of melanoidins from molasses wastewater by chemical flocculation and electrocoagulation’. Andrew Sutherland wrote ‘Investigation of Water Related Environmental Decision Making Processes: WSUD Stormwater Harvest’. The Foundation congratulates these students for their efforts in developing innovative solutions to water industry challenges.

Graduates promote the Chemical Engineering Profession to future students

Sydney UniLIVE! was held on 27 August 2005 to showcase undergraduate programs to future students. Two Chemical Engineering graduates spoke about how their degrees have assisted their career progress. Suchi Menon is working in New Business Development for Foundation Member, DuPont (Australia) Ltd, and Ed Hollings, a 2004 graduate, is working with Austral Power-Flo Pty Ltd.

Intergalactic Alumni

A group of Chem Eng alumni attended the 2005 Revue ‘The Beer Lover’s Guide to the Galaxy’. As ever, the entertainment displayed both talent, and a limited regard for the boundaries of taste! We plan to join other Engineering alumni groups for a similar excursion next year.
Bringing Industry and Students Together

The Foundation provides several opportunities for industry members to meet with students enrolled in the School of Electrical and Information Engineering.

Members can make presentations to the students on career opportunities in their organisations through our Industry Answers Students’ Questions Lunchtime Sessions.

Members can meet the top students in each year by participating in our Meet the Top Students Prize Adjudication Sessions.

The annual Research Conversazione gives members the opportunity to meet fourth year and postgraduate students.

Members can receive the CVs of third year students seeking work experience places upon request and publish information on employment opportunities in their organisations through the Foundation’s website.

The Electrical and Information Engineering Graduation Dinner and Presentation of Prizes gives members the opportunity to meet the graduating year and enjoy a night out with peers.

Industry Participation in University Forward Planning

In its recent review of the industry, the Foundation’s Power Industry Reference Group heard that all the NSW power utilities had fallen behind in network capital expenditure over the last ten years. At the same time, all the utilities reported government approval to undertake major new expenditures. The Reference Group forecast a critical shortage of power engineers.

In response, the School of Electrical and Information Engineering has entered into discussions with the power industry and the Australian Power Institute on ways in which industry could assist the School to introduce a new BE Power Engineering Degree. Energy Australia will now fund a chair for 3 years. Details of this are summarised on page 3.

Encouraging Teacher and Student Excellence

Around sixty prizes are presented each year to staff and students at the School of Electrical and Information Engineering. Most are sponsored by Foundation members.

The awards for staff include:
* The Award for Leadership in Teaching and Research
* The Award for Excellence in Teaching (Academic)
* The Award for Excellence in Teaching (Tutoring)
* The Award for Excellence in Service in Education.

The awards for students include:
* Around twenty five prizes for academic achievement;
* Around twenty five prizes for research project work;
* The Sophia Technica Prize for Critical Thought;
* The Foundation Prizes for Asset Management Analysis;
* The Foundation Prizes for Communications Skills.

Government / Industry / University Relations

Quality and Accessibility Frameworks for Publicly Funded Research – an initiative of the Australian Government – encourages university and industry people to develop linkages and ongoing partnerships to pursue applied research. Considerable Australian Government funding is potentially available through the scheme. The Foundation is working to bring the potential benefits of the scheme to the electrical and information engineering industries.

cont...
Electical and Information Engineering
Cont...

Asset Management Project

The Foundation’s Asset Management Project encourages engineering students to develop an interest in the asset management problems of industry. The Project invites industry members to take on students for summer work experience placements studying some aspect of a company’s asset management problems.

Sophia Technica Project

The Sophia Technica Project encourages engineers to think critically about the roles they play in the generation of productive economic activity and the social and ethical issues in which engineers can become involved when they apply engineering knowledge to the generation of economic activity.

Keep in Touch through The University of Sydney Alumni Service

The University of Sydney Alumni Service invites all graduates to update their details and join the online web community.

It is important that Alumni Services have your correct address details

To update your address details go to:

http://www.usyd.edu.au/alumni/intouch/dea/addressform.shtml or contact Advancement Services on fax: + 61 2 9351 5688

Advancement Services
G12 Services Building
The University of Sydney NSW 2006

Online Community

The University Alumni also offers all graduates the opportunity to be part of an online web community. Once registered, you can view and maintain your personal profile and look for classmates online.

To register go to: https://www.alumiandfriends.usyd.edu.au and click on REGISTER.

You will be asked to read the terms of use and to register you need to click I AGREE.

Choose ALUMNI

You will then be asked to supply your name and degree details and then click CONTINUE.

Choose a username with 4-16 characters and a password with 5-14 characters and supply a current email address and then click CONTINUE.

Supply a secret question and answer and click CONTINUE

Answer the question about how you found out about the service and click CONTINUE

Click FINISH

You have now registered for the online community and can begin using the service.

Any Interesting Stories, News or Photos?

If any Engineering alumni have stories or news that they would like to share with fellow alumni through Engineering Sydney Newsletter, we would love to hear from you. It would be great to have input from alumni. If you have any photos you would like to see in print, just send them along.

Send any contributions to:

Susanna Smith
Rm231, Building J13
Faculty of Engineering
University of Sydney NSW 2006
Email: susanna@eng.usyd.edu.au
Excellence in Research Rewarded

The School of Aerospace, Mechanical and Mechatronic Engineering continues to demonstrate its excellence in research through success in attracting research funding and the awards received by its academic staff. In 2005, the School attracted 13 ARC Discovery grants as well as two ARC Linkage International Fellowships out of a total of three awarded to the University and one ARC Linkage Project from the 2nd round of 2004 out of a total of two awarded to the Faculty of Engineering.

Professor Liangchi Zhang was awarded a Doctor of Engineering degree for his work entitled “Modelling and Characterisation of Materials and Systems for Precision Manufacturing” published in over 30 international journals. This is recognition for his outstanding research in this area in the decade since he joined The University of Sydney. Professor Zhang’s research has advanced many key manufacturing processes and has been multidisciplinary, with a comprehensive integration of mechanics, physics, tribology, materials and mathematics and dealing with problems from atomistic to macroscopic scales both fundamentally and technologically. His research outcomes cover a wide range of areas such as nano-mechanics and nano-materials, ductile deformation of brittle materials, phase transformation in mono-crystalline silicon, modelling and analysis of machining, solid mechanics, development of numerical methods, and friction and wear.

Tall Poppy

Dr Stefan Williams will receive the Young Tall Poppy Science Award from the Australian Institute of Political Science in recognition of his outstanding research achievements and commitment to community involvement. The Tall Poppy Campaign promotes the achievements of Australian scientists through the award of the Florey Medal, The Young Tall Poppy Science Awards, and science-related and educational events. The Young Tall Poppy Program identifies and acknowledges outstanding young Australian researchers and engages them to foster a stronger interest in science in schools and the broader community. Through the Young Tall Poppies Reaching Kids program, the award recipients visit schools to talk to students about science in consultation with departments of education, science teachers’ associations, and individual schools. The award will be presented by the NSW Minister for Science at a Reception at Parliament House, Sydney.
Research in Civil Engineering

The Department of Civil Engineering includes the research groups: Wind Engineering and Fluid Mechanics, Geotechnical Engineering, Structural Engineering, Project Management and the Ocean Technology Group. The department has two Research Centres, the Australian Research Council’s Special Research Centre for Offshore Structures (COFS) and the Cooperative Research Centre for Advanced Welded Structures. Research is also supported by Wind Engineering Services, The Centre for Advanced Structural Engineering, The Centre for Geotechnical Research and The Civil Engineering Foundation. Outstanding opportunities are available for postgraduate study in research and coursework. The Department’s academic staff are internationally recognised in their respective fields of research. The research fields are:

The Centre for Advanced Structural Engineering (CASE)

provides a unique focus on the research and development of engineering structures. Members of the Centre have international reputations for analytical and experimental research and have played prominent roles in the development of Australian standards for structural design. The objective of the Centre is to promote structural engineering in Australia through:

• research and development of engineering structures;
• co-operation between the University and industry;
• teaching of contemporary structural technology. The Centre provides a wide range of structural engineering services and facilities to suit the profession and industry. These include:

• Studies of unusual structures, including proof engineering for structural adequacy, development of new structures, and investigations of failures;
• Design assistance, including design code interpretations and development of design procedures;
• Supply or development of high quality computer software for analysis or design;
• Specialised testing services for control testing, proof testing, product development, model testing and analysis confirmation;
• training programs for the professional development of practising engineers;

The Centre for Geotechnical Research (CGR)

CGR was established in 1987 and with the aim of furthering knowledge in theory and application of geomechanics and geotechnical engineering. Strong links have been established with industry and industry support has been important in achieving the Centre’s goals. The main discipline covered by the CGR is geotechnical engineering with some overlap with earth sciences. The research of the CGR is multi-disciplinary, including soil mechanics, rock mechanics, foundation engineering, marine geotechnics, environmental geotechnics and engineering geology. Wind Engineering Services (WES) is a branch of the Fluids group internationally recognised for its research and industrial consulting activities in the field of wind engineering. WES employs a number of experienced specialist staff and research students undertaking a variety of research projects, many closely linked to consulting services.

The Fluids group is responsible for undergraduate and postgraduate teaching of fluid mechanics, dynamics, and research.

Staff members of the Fluids group have particular interests in water engineering and wind engineering.
Civil Engineering Foundation

New Foundation President Irene Scott

Irene Scott (BE 1997) of BG&E Pty Ltd is the new president of the Civil Engineering Foundation. In 2000 Irene was awarded the Young Professional Engineer of the Year award. She is active in the promotion of the civil engineering profession around Australia. In her role as President, Irene has introduced plans and ideas that will ensure the future of the foundation. Stephen Baker, General Manager of Rocla Industries Pty Ltd, was elected as Deputy President and Professor Kim Rasmussen continues as Foundation Director, Challis Professor and Chair of the Academic Board. Professor John Carter continues as Deputy Director.

Civil academics well travelled

The University of Sydney was well represented at recent international conferences. Civil Engineering Professors Greg Hancock, Peter Ansourian, Dr Tim Wilkinson and Dr Gianluca Ranzi attended the ICASS’05 ‘Advances in Steel Structures conference in Shanghai, China. Dr Ranzi gave an address at the Harbin Institute of Technology in China and the University Politecnica Delle Marche in Ancona, Italy. Dr John Papangelis attended a steel conference in Rome and Professors John Carter and

New staff Member

Dr Tim Finnigan has joined the department as a Senior Lecturer and has been awarded a $50000 major equipment grant for a Wind-Current-Wave-Flume. The Wind-Current-Wave-Flume will provide opportunities to build on successful external research funding in ocean/coastal engineering, wind engineering and hydrodynamics and to tap new sources of public and private funding for strategic applied research in areas related to coastal desalination infrastructure and renewable energy. It will become a key facility for research and teaching in the Faculty of Engineering and the wider University and will support a wide network of interdepartmental, cross faculty and international research collaboration. It has the unique ability to physically simulate and combine the effects of waves, currents and wind in a controlled manner.

Kevin Nash Gold Medal

Emeritus Professor Harry Poulos, Senior Principal of Coffey Geosciences Pty Ltd, has been awarded the Kevin Nash Gold Medal. The medal is awarded every four years to a person who, through their distinction as an engineer, international contributions to engineering practice and education, contributions to international goodwill, and service to the ISSMGE has made a major contribution to fostering the ideals and goals of the ISSMGE throughout the world. Professor Poulos received the medal in Osaka, Japan in September.

Foundation Members Academic & Student collaboration.

The Foundation is planning a program of forums to bring Foundation members and Department academics together. The aim of the forums is to equip the Department for the future needs of the civil engineering community and to pursue industry contacts that could lead to Linkage grant programs. The program will commence with a display of the department’s research at the Faculty Conversazione on October 28. The first forum will be held in November. Part of the program is the renewal of the undergraduate Curriculum Vitae book, known as the Red Book, which is being distributed to all members. Industry member careers presentations are also planned. Several member companies have booked sessions in March 2006.
The Veterans’ Lunch 2005

SUEA continued the tradition of holding a lunch for Engineering Alumni aged over 60 years. The 2005 Veterans’ Lunch was held at the Old Union Building’s (now the Holme Building) Withdrawing Room on August 17. 45 alumni attended, including the distinguished Engineer, George Fox, who graduated in 1937.

Professor Greg Hancock, Dean of Engineering, briefed alumni on the growth in the size and reputation of the Faculty in recent years.

The lunchtime speaker, Professor Ian Jones, Director of the Ocean Technology Group in Civil Engineering spoke on “Oceans and the Environment.” This contemporary and absorbing issue, particularly in relation to induced carbon dioxide sequestration in the marine environment, encouraged lively conversation among alumni.

150 Years of NSW Railways

The Sydney University Engineering Alumni (SUEA) and The Centre for Continuing Education organised a Seminar to celebrate the sesquicentenary of the NSW Railways on 10 September 2005. Speakers at the seminar were: The Hon. Tim Fischer, Mr. David Hill, Mr Graham Harper, President, Australian Railway Historical Society, Mr Basil Hancock, Chairman, Zig Zag Railway, Mr Denny Ellis, 3801 Ltd and Mr Graeme Henderson, Australian Railway Historical Society. The seminar was sponsored by: The Centre for Continuing Education, The Sydney University Engineering Alumni, Rail Heritage Australia (NSW), The Australian Railway Historical Society (NSW Division), Zig Zag Railway and 3801 Limited.

26th September 1855: The Coming of the Railways to NSW.

A special general holiday was proclaimed on 26th September 1855 to mark the opening of the Sydney to Parramatta Railway by the Governor of the Colony, Sir William Denison. In the 1850s, a journey by road between the Colony’s two principal population centres was a hazardous experience and those who needed to travel preferred the 3 to 4 hour ferry trip. The opening of the railway made the journey possible in 40 minutes for a fare of 4 shillings for first class, 3 shillings for second class and 2 shillings for third class. In 1855 there were just 4 intermediate stations; Newtown, Ashfield, Burwood and Homebush. From this modest beginning, the rail network grew to reach Glen Innes, Bourke, Hay and Albury within the following 30 years.

NSW and Australia owes much to the advent of rail, which underpinned our early development. Where early rail went, economic progress accelerated.

150 years later, it is appropriate that we celebrate the contribution that railways have made to the economic and social development of the State and Nation.

Gauge Uniqueness

An extract from Tim Fischer’s speech at the Rail Heritage Seminar held on 10 September.

The only nation state that occupies a whole continent, namely Australia, developed more railway gauges than any other country or continent in the world.

Since 1831 Australia developed 22 different railway gauges and where the different networks and systems interfaced, mainly at state borders, the torture of break of gauge barriers existed. This greatly restricted freight movement but gradually added to tourist interest in the oddity created. Today the key links have all been standardised and most of the freight problems overcome, but Australia still has something of a world record, with 5 different railway gauges operating 40 kilometres or more in 2005.

In summary Australia started out correctly with Standard Gauge. James Steel was appointed Chief Engineer of the Australian Agriculture Company at Newcastle in the 1820s. In 1831 he commenced building a railway in Standard Gauge of 4 foot 8½ inches from just near the Anglican Cathedral down and across Hunter Street to the wharf. In late 1831 this is where export of coal commenced from Australia to India. The full wagon of coal rolled down to the wharf with some rudimentary brake control, the horses were then unloaded off the last wagon and pulled the empty carriages back up the hill to Coal Pit A, Australia’s first ever coal mine.

So Australia began with Standard Gauge, but then over the decades we went a bit crazy thanks to the influence of one forthright Irish engineer, Francis Shields, and one very capable engineer who dominated in Queensland, Abraham Fitzgibbon. In fact Australia’s development of over 22 different railway gauges included Mistake Railway Gauge, which was built near Wollongong at 3 foot 8½ inches instead of 4 foot 8½ inches. The 5 different railway gauges operating 40 kilometres or more in 2005 are:

Cont...
The University of Sydney – Centre for Continuing Education

Sponsored by Sydney University Engineering Alumni

Lecture Series.

Spring Session: October/November 2005

Lectures will be 6.30pm to 8.30pm and at Sydney University, unless noted otherwise

Monday 10th October
At Westmead Hospital.
“Technology Helps Parkinson’s Disease Patients”
Drs. Neil Mahant & John Morris, Movement Disorder Foundation, Westmead Hospital

Monday 17th October 6.30pm – 9pm
At HMAS Watson
“HMAS Watson ship simulator.”
Captain Ian Middleton, Training Authority Maritime Warfare & Commanding Officer, Watson

Monday 24th October
“Pioneer Industries of Lane Cove”
John Pagett.
Site inspection of Penford (the maize starch producer, formerly Clifford Love & Co.) plant to be arranged.

Monday 31st October
“Development of the Australian plastic currency notes.”
George Gettens.

Monday 7th November
“Australian steel industry development & the move from Lithgow to Port Kembla.”
Don Reynolds.

Course enrolment fee $145.00; Course Ref. 054 3260
Centre For Continuing Education: University of Sydney

WEBSITE www.cce.usyd.edu.au
PHONE (02) 9036 4789

NOTE:
Any person attending the 150th Anniversary of Rail Seminar, and who enrolls in the above Course, will be eligible for a discount of $25.00 from the above Course enrolment fee.

Cane Gauge 610mm (2 foot)
Walhalla Whitfield Gauge 762mm (2 foot 6 inch)
Anglo, Cape Gauge 1067mm (3 foot 6 inch)
Stephenson Standard Gauge 1435mm. (4 foot 8 1/2 inch)
Irish Broad Gauge 1600mm (5 foot 3 inch)
There is a bonus from this gauge saga. Many railway enthusiasts, most notably from Europe and North America are keen to see first hand remnants of all the railway gauges, creating a tourist industry around the railways.

The Hon. Tim Fischer addresses the audience at the seminar celebrating 150 years of NSW Rail

Lifetime Email Address for Alumni
Engineering Alumni are invited to apply for a lifetime University of Sydney email address.
SUEA and The Faculty of Engineering have been a driving force behind the University Alumni’s decision to offer the service to graduates.

Alumni can register by logging on to the Alumni Web Community (AWC) at www.usyd.edu.au/alumni.
Deans Advisory Committee

Professor Gregory Hancock         Dean
Professor John Small             Pro Dean
Professor Brian Haynes           Associate Dean Research
Professor Liangchi Zhang         Associate Dean Postgraduate
Professor Liyong Tong            Associate Dean International
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Dr Rafael Calvo                   Associate Dean ICT T&L
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Stuart Glanfield                    Executive Officer Electrical and Information Engineering Foundation
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Ian Frew                             President Chemical Engineering Foundation
Ellen Spinner                       Foundation Officer Chemical Engineering Foundation
Irene Scott                         President Civil Engineering Foundation
George Slack                       Executive Officer Civil Engineering Foundation

Change of Address/Details
Please let us know if you have changed address, telephone number or email so that we can update our records and keep you up-to-date with Engineering Sydney information.

Susanna Smith
Rm 231, Building J13
Faculty of Engineering
University of Sydney NSW 2006
Fax 02 9351 4654 Email: susanna@eng.usyd.edu.au

Please complete the following information and return to:

Name__________________________________________________________________________________

Degree and Year________________________________________________________________________

New Address____________________________________________________________________________

Tel _____________________   Fax _______________________

Email _______________________________________________