embracing an engineering Visionary

visit by Dr APJ Abdul Kalam, former President of India

The Faculty hosted a three-day visit from 18 – 20 May 2011 by Dr APJ Abdul Kalam, former President of India and distinguished scientist and technologist.

Dr Kalam shared his vision of a sustainable and thriving India as this year’s honoured speaker for the Dean’s International Lecture Program. Held on 19 May 2011, Dr Kalam’s lecture attracted a capacity audience to Sydney’s Seymour Theatre. On Friday, May 20th Dr Kalam also received an Honorary Doctorate of Engineering by the Chair of the Academic Board, Prof. Peter McCullum. The doctorate recognised Dr Kalam’s global contribution to his profession. After the award ceremony the Dean of Engineering and IT, Professor Archie Johnston, said: “Dr Kalam is widely respected as an engineering visionary and it was an honour having him visit the University to receive this award.”

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DIARY DATES

TUESDAY 6 SEPTEMBER 2011
GRADUATE CONNECTIONS
BREAKFAST WITH DAVID
MORTIMER, AO
CHAIRMAN, LEIGHTON HOLDINGS
For more information go to:
alumni.sydney.edu.au

FRIDAY 30 SEPTEMBER 2011
ENGINEERING SYDNEY ALUMNI
DISTINGUISHED LUNCH 2011
See page 7 for further information
CONTACT: Karen Worsfold
E karen.worsfold@sydney.edu.au

FRIDAY 28 OCTOBER 2011
RESEARCH CONVERSAZIONE
CONTACT: Keiran Passmore
E keiran.passmore@sydney.edu.au

CONTACT US
If you would like to provide
feedback or you have any ideas
or suggestions for a story for our
newsletter please contact the
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DEAN’S MESSAGE

There has been a strong international
flavour in our activities over the past
quarter. I had the honour of hosting Dr
APJ Abdul Kalam, former president of
India, as part of the Dean’s International
Lecture Series. The faculty also had
the pleasure of hosting Craig Mundie,
Microsoft’s Chief Research and
Strategy Officer, who demonstrated a
virtual persona-based teleconferencing
technology known as Avatar Kinect.

Recently I visited a number of European
institutions to learn from their experiences
and explore opportunities for collaboration.
Some interesting developments arose
from a meeting with the European
Commission (EC), with implications for
Australian educational institutions. The EC
will launch a new ranking system for higher
education and research institutions this
year, in order to address weighting and
peer-review bias. Given the importance of
global rankings, the University will need to
closely monitor the evolution of this tool.

Collaboration under the European Union
Framework Programs has grown, and
it is clear that the increase in funding
from the EC has contributed to this
level of growth. Like Europe, Australia
is considering how we would like to see
the next Framework Program develop.
Additionally, some national governments
in Europe are increasing their investment
in higher education and research as a key
way to grow jobs and their economies.
For example, in Germany, the Excellence
Initiative is aiming to promote cutting-
edge research, deepen cooperation
between disciplines and institutions
and strengthen international research
collaboration. Between 2009 -2019 an
additional €18 billion has been committed
to this scheme. The challenge for
Australia and for the University is to
maintain our level of engagement
with world-class partners, despite
government funding constraints.

In 2012 we will launch the world’s first
specialised on-campus undergraduate
project management degree. With
increasing skills shortages across many
sectors, demand for experienced yet
formally trained project managers
has grown. The new degree will offer
graduates transferable skills that can be
applied across a wide range of sectors
and industries. It will also be an ideal
complement to engineering, and will be
offered both as a standalone degree and
as a combined Bachelor of Engineering/
Bachelor of Project Management degree.

Also new in 2012, we will offer a Master
of Project Leadership which will provide
executives and senior managers with a
professional degree in project leadership.
Based on our globally accredited and
highly successful Master of Project
Management, this new program will
be the first of its kind to provide both
project management and leadership skills
development in one degree.

These programs could not have been
developed without support from our
industry partners, and we look forward to
continuing to develop and deliver new and
relevant teaching and research initiatives.

ARCHIE JOHNSTON
DEAN
embracing an engineering visionary
cont. from page 1

“How can such a mission of Empowering 3 Billion be realised? It would indeed require out of the box thinking and ideas previously un-conceived. We would need to evolve sustainable development systems which bring in sustainability and empowerment together and deliver in an entrepreneurial manner.”

Dr Kalam’s busy program also included activities with local high school students, a dialogue with academics and the Vice-Chancellor, an Indian community event hosted by the Consul General of India and an industry roundtable dinner. On 20 May 2011, Dr Kalam also received an honorary doctorate from the University of Sydney.

Dr Kalam is well known for his innovative campaigns to improve the quality of rural infrastructure and approaches to renewable energy development in India. However his vision is not only of empowering a nation but also focuses on the importance of creating connectivity between the developed and rural regions of the world.

“The empowerment of rural regions is critically important from the perspective of inclusive development, sustained peace and shared prosperity of the world. Even the most developed nations in the world witness the rural urban divide. Bridging of the rural urban divide is closely linked with the mission of overcoming poverty and inequity.”

He initiated the PURA (Providing Urban amenities in Rural Areas) program with emphasis on different types of connectivity; namely, physical connectivity through better roads, digital connectivity with improved internet access, knowledge connectivity through better education and emphasis on their integration for rapid economic growth.

Dr. Kalam continues to play an influential role in encouraging the uptake of science and technology by young people in general and the under-privileged in particular. In his lecture, he expressed his passion for education and inspiring leadership.

“For success in all the missions, it is essential to have creative leaders. Creative leadership means exercising the vision to change the traditional role from the commander to the coach, manager to mentor, from director to delegator and from one who demands respect to one who facilitates self-respect. For enhancing enterprise value, we need large number of creative leaders”.

The Faculty of Engineering and IT is honoured to be developing a new Dr Kalam International Scholarship Program that aims to reinforce his commitment to education, recognising outstanding students to develop as future leaders.

Dr Kalam is widely respected as an engineering visionary who played a pivotal role in the development of India’s space program.

He was instrumental in the establishment of the Society for Biomedical Technology in 1993 and has championed research and development in the area of telemedicine.

Dr. Kalam was awarded India’s highest civilian honour, Bharat Ratna for his scientific and technological contributions to the nation.

His visit was timely as a recent session of the Australia-India Joint Ministerial Commission convened in Canberra with a focus on a Free Trade Agreement aimed at achieving greater economic integration between the two countries.

There has been a rapid growth in trade between the two countries - India is now Australia’s third largest export market, and Australia is India’s eighth largest trading partner. Science and technology is high on the agenda for our two countries who are working together via the $130 million Australia India Strategic Research Fund which addresses challenges such as food and water, security, health, energy and the environment.

A podcast of Dr Kalam’s lecture Sustained Development Systems for 3 Billion is available on the website at sydney.edu.au/sydney_ideas
The Warren Centre for Advanced Engineering is a not-for-profit company which aims to foster excellence and innovation in advanced engineering throughout Australia. Alex is responsible for delivering The Warren Centre’s programs in line with the strategic plan and ensuring the success of innovative projects including the Low Energy High Rise Project. This project, working in collaboration with the property sector, seeks to identify low cost strategies for operating energy efficient high rise office buildings. The Low Energy High Rise Project was where Alex first became involved with The Warren Centre.

Alex is a Sydney University Alumni from the faculty of Agriculture having completed a degree in Agricultural Science, majoring in animal production. Further studies have been undertaken with a Masters in Environmental Law, Business and Management at the Australian National University and she is currently undertaking study for a graduate Diploma in Applied Finance and Investment.

Prior to joining The Warren Centre, Alex was responsible for delivering the sustainability platform for the DEXUS Property Group including a $41 million energy improvement upgrade plan to deliver a 4.5 star NABERS Energy average for the office portfolio. Previously, Alex held the role of Manager, Risk & Sustainability at Colonial First State Global Asset Management.

Alex has had considerable experience working with engineers in delivering mechanical services upgrades across a variety of buildings in Australia. These projects have often involved a number of interrelated issues and required setting a budget for each building, based on optimising its mechanical services, while reducing inherent operational problems. In undertaking the challenge to improve the overall energy efficiency of a complex office tower a strategic improvement plan was developed for each building. The strategic improvement plan was a new way of looking at office buildings where specific inefficiencies were targeted. This replaced the traditional approach typically used in the property sector which focuses on the upgrade of specific plant and equipment in individual single projects. Instead the plan incorporates a strategic and holistic view of the total building services including reviewing the original design and construction of the building to address any existing inherent issues.

The Warren Centre’s Low Energy High Rise project has shown that there are significant statistical differences in the way buildings are operated which correlates to energy efficiency and NABERS Energy ratings. The project has identified that changes in the way a building is managed can deliver significant improvements, in fact around 1 star, with minimal expense. These changes have been explored and developed into guidance materials for the property sector as part of stage two of the project.

PROFILE ON ALEXANDRA MCKENNA: THE WARREN CENTRE FOR ADVANCED ENGINEERING

Alexandra (Alex) McKenna was appointed as the new chief operating officer (COO) of The Warren Centre in October.
Did you know 2011 is the year of Humanitarian Engineering?

Engineers Australia in conjunction with Red R and Engineers without Borders (EWB) are showcasing humanitarian engineering throughout the year with a whole lot of interactive demonstrations, seminars and other fun stuff.

Some of you may have heard of EWB but aren’t really clear about what it is that does. EWB connects people who believe everyone has the right to basic engineering services such as shelter, water, sanitation, and energy. EWB bridges engineers’ knowledge and skills with disadvantaged communities through grassroots programs. The aim of this is to build the capacity of the community in a sustainable and appropriate way.

At a practical level this means a combination of field volunteers (30 throughout Australasia) and local knowledge or interest group hubs. The knowledge hubs provide technical support to field volunteers and also work on range of local projects. Active knowledge hubs in NSW are:

- Water, Sanitation and Hygiene (WASH): Supports the Tonle sap project in Cambodia building toilets for floating houses and locally constructing ceramic water filters.
- Energy: Builds models to conduct energy audit of private residences and non government organisations.
- ICT: Develops an iPhone app for energy audits
- Education: Teaches asylum seekers how to use computers and conducts outreach programs with high school students
- Indigenous: Two way sharing of knowledge and cultures through art shows and bushwalks
- Awareness: Thinks up great events for the Year of Humanitarian Engineering like – playing with appropriate technology on 23rd June 2011 at Martin Place including solar cooker and rope pump (pictured) and trivia night at the Lowenbrau.

EWB is constantly on the lookout for interested volunteers. If you’d like to know more: ewbusyd@gmail.com and we’ll get you in contact with who you need to know.

MEMORIAL STONE LAID

On Tuesday 31 May 2011, a memorial stone was laid in the University of Sydney Quadrangle in memory of the late Professor Howard See, Associate Professor School of Chemical and Biomolecular Engineering.

The memorial stone is a poignant and appropriate way of commemorating and celebrating Howard’s life and recognising his important contribution to the University of Sydney.
ALUMNI NEWS

STAY IN TOUCH WITH ALUMNI ONLINE

Ensure that you hear about all events, benefits and services that are available to alumni of the University of Sydney. You can update your contact details on the Alumni Online website by visiting alumni.sydney.edu.au. Alumni Online allows you to search for alumni friends and colleagues, join social and professional networks, post or look for a job in the Careers Centre, mentor a student and join online discussions and forums.

PROJECT MANAGEMENT ALUMNI NETWORK

Our Alumni Online group already has over 300 members and we are planning professional networking events from mid 2011. Join us now on Alumni Online alumni.sydney.edu.au to keep in touch with future events and reunions.

GRADUATE CONNECTIONS BREAKFAST

WITH DAVID A MORTIMER, CHAIRMAN, LEIGHTON HOLDINGS
TUESDAY 6 SEPTEMBER 2011, 7.15AM – 8.45AM
FOUR SEASONS HOTEL
199 GEORGE ST SYDNEY
BOOKINGS
T +61 2 9036 9278
or visit sydney.edu.au/alumni/breakfast

ENGINEERING AND IT ALUMNI OF THE YEAR AWARDS FOR 2011 ARE NOW OPEN

Our Alumni are the guardians of the history and culture of our faculty and the university.

Since its early beginnings in 1883, our faculty has graduated thousands of students and as each student leaves, they take a piece of this history and culture with them as they become world class researchers, industry leaders, innovators in Australia and overseas. It is for this reason that Engineering Sydney proudly hosts the Alumni of the Year Award for 2011.

Do you know a former student who has made outstanding contributions and achievements in their field of expertise or in the community? If you do, please nominate them for Alumni of the Year via our website at sydney.edu.au/engineering/forms/alumni-award-form.php.

If you wish to submit a nomination in writing please contact Karen Worsfold for a nomination form
T +61 2 9036 9760
E karen.worsfold@sydney.edu.au
Nominations close on 14 October 2011.

FACULTY ALUMNI RELATIONS OFFICER APPOINTED

We welcome Karen Worsfold as our dedicated Alumni Relations Officer

This new position will allow the University and the Faculty to significantly improve our ability to reach and support our many valued alumni. Planned activities include reunions, professional development events, enhanced communication with alumni and building our existing database of alumni contacts.

We are always keen to hear about the achievements of our graduates and catch up on details of what you’ve been doing with your degree. Please share your story with us.

We welcome any feedback or ideas that you may have regarding our Alumni program and activities.

PLEASE CONTACT:
Karen Worsfold
Alumni Relations Officer
Faculty of Engineering and Information Technologies
T +61 2 9036 9760
E karen.worsfold@sydney.edu.au
BEHIND THE SCENES AT AUSGRID

George Maltabarow, Managing Director of Ausgrid and President of the Faculty’s Electrical and Information Engineering Foundation hosted an exclusive ‘Behind the Scenes’ tour for alumni and friends of Ausgrid’s new $75 million Learning Centre in Silverwater.

The 1.7 hectare state-of-the-art facility accommodates up to 150 apprentice electricians, line workers and cable jointers training to be front line energy workers. It is the only learning centre to have a real world electricity network to train technical workers in emerging smart grid technologies and is headquarters of Ausgrid’s smart grid operations and energy efficiency centre.

For information on future ‘Behind the Scenes’ tours visit alumni.sydney.edu.au.

ALUMNI ONLINE MENTORING PROGRAM

Mentoring provides a unique opportunity to contribute to the career development of a student by sharing knowledge you have acquired through years of experience.

Sydney alumni have the opportunity to become online mentors to University students, through the online mentoring program.

No previous mentoring experience is needed, simply a desire to help a student. The amount of time you will need to spend will be decided mutually between you and the student.

Mentoring can be purely online, or you may opt to meet in person. Students from all faculties are currently seeking alumni mentors, and we encourage your participation in this program.

For further information and to register please visit sydney.edu.au/alumni/mentor

DATE FOR THE DIARY

ENGINEERING SYDNEY ALUMNI DISTINGUISHED LUNCHEON – FRIDAY 30 SEPTEMBER 2011

Alumni and their guests are cordially invited to attend a reunion lunch with guest speaker Ms Davina Rooney, Civil Engineering 2001. Ms Rooney has experience in the design and construction of engineering projects in Australia, UK, India and Pakistan, working with Arup, Stockland and other including secondment to RedR for the Pakistan 2005 earthquake reconstruction.

Invitations will be posted shortly.

The Holme and Sutherland Room, The Holme Building, Science Road
12.15pm for pre-lunch drinks followed by lunch at 12.45pm
Cost $69.50 per person
For further details:
CONTACT: Karen Worsfold
T +61 2 9036 9760
E karen.worsfold@sydney.edu.au

DOES YOUR GRADUATING YEAR HAVE AN IMPORTANT ANNIVERSARY IN 2011 AND 2012?

LET US HELP YOU CONTACT YOUR FELLOW GRADUATES, ISSUE INVITATIONS AND PROMOTE YOUR EVENT.

Please contact your Alumni Relations Officer, Karen Worsfold
T +61 02 9036 9760
E karen.worsfold@sydney.edu.au
SUMMER WORK EXPERIENCE IN OUTBACK NSW

In January 2011, student Catherine Goonan undertook a summer internship program with our 2010 Young Alumni of the Year, Jillian Kirby.

Following Jillian’s receipt of the award last year, she told her former tutor in Advanced Engineering, John Currie, that if any of his students were looking for work experience with a twist, to get in contact with her.

Catherine, currently a fourth year Bachelor of Civil Engineering/ Bachelor of Arts student, enthusiastically took up this offer, arranging to spend eight weeks last summer working with Jillian in Walgett, in north-west NSW.

Catherine’s stint in the country coincided with Australia’s disastrous floods, and she worked with Jillian on a variety of projects for the Brewarrina Shire Council, including grant applications to assist residents with repairs to their farms, photographing and documenting damage to properties and scoping and sourcing quotes from contractors.

Catherine’s program of work was both challenging and varied, and she considers that she gained valuable experience on both a professional and a personal level. Catherine said that Jillian trained her to work to a very high standard regardless of the task before her, and to document her work methodically. Catherine is now applying this training to her own maths and music tutoring business.

Catherine found working with Jillian both inspiring and rewarding. She said that Jillian is ‘one of the most motivated and people I’ve ever met’ and that the experience showed her that ‘if you’re switched on, you can do stuff, you can make things happen.’ Catherine is passionate about using her engineering experience and skills to make a difference to communities and has a particular interest in making clean water available to communities in need. Catherine says that she hopes that her Spanish language skills will assist her to work in South America in the future. Catherine has previously undertaken mission work in Peru with the organisation Fraternas Sydney, and is hoping to return this summer to undertake research for her thesis, based on providing water to the poor shanty town of San Juan de Miraflores. Catherine is looking to organise another internship this summer in which she can combine her engineering skills with her interest in community development.

SUMMER WORK EXPERIENCE SOUGHT FOR STUDENTS

AS AN ALUMNUS OR FRIEND OF THE FACULTY OF ENGINEERING & IT, WE ARE SEEKING YOUR ASSISTANCE AND SUPPORT

Every year during the December – February vacation period, we seek work experience placements for up to 1,000 engineering and IT students. Sometimes obtaining practical experience can be quite a difficult task even in good economic times, and reflecting on your own summer vacation experience, you will appreciate that engineering students are unable to graduate unless they have undertaken industry based experience. Students, including our Masters of Professional Engineering, are studying in a wide variety of disciplines such as telecommunications, IT, mechatronics, electrical, software, biomedical, project management, aeronautical, civil and chemical.

If you have any opportunities in your organisation, or can assist us in any way, we would love to speak with you. We also welcome any short term and part time opportunities as these can combine to meet Engineers Australia for accreditation.

If you are able to help or would like to discuss this further, please contact me on (02) 9351 5768 or email me at keiran.passmore@sydney.edu.au
Heading into its 23rd year, Research Conversazione has become the premier research event within the faculty. This event allows the faculty to showcase high calibre research and projects undertaken by undergraduate and postgraduate students with a focus on innovative, applied research that responds to national and international needs, as well as engaging with various new approaches and applications. Research Conversazione provides an excellent opportunity for students to showcase their work to industry, and it has also provided an additional benefit to industry partners in the area of graduate recruitment.

In 2010, over 200 entries were on display from over 20 disciplines, showcasing internationally recognised research strengths and expertise in the areas of:
- Artificial Intelligence
- Multimedia
- Robotics
- Tissue engineering
- Wireless networking
- Wireless telecommunication
- Power engineering
- Renewable energy generation

Academics, Alumni and industry guests are invited to judge the winning posters and present prizes, so if you would like to be a part of this major event, please contact Keiran Passmore

T +61 2 935 15768
E keiran.passmore@sydney.edu.au

MANAGER, INTERNATIONAL RELATIONS AND STUDENT RECRUITMENT APPOINTED

The Faculty welcomes Joanna Storti as Manager, International Relations and Student Recruitment.

Joanna has over ten years experience in international education within marketing, recruitment, admissions, relationship management and program and market development. Her experience has involved working on multiple sides of the industry and in diverse higher education markets around the world. This includes marketing/recruitment roles working with the largest American education recruitment agent and for American, Norwegian and Australian leading universities. She was most recently at the Conservatorium of Music as Manager, International Development and Student Recruitment, where she was responsible for international and domestic student recruitment, tertiary program marketing, and international relations and touring projects. Joanna previously worked as Regional Development Manager (Americas & Europe) at La Trobe International, La Trobe University in Melbourne from 2005-2010.

Originally from the US, Joanna has studied abroad in Norway and France and received her Master of International Business from the University of Melbourne in 2005. Joanna has been with the Faculty since early February 2011 and is responsible for the Faculty’s international relations and international student recruitment program.
The Civil Engineering Foundation’s first Governors Lecture for 2011 was held on Wednesday 1st June in the PNR Lecture Theatre. The lecture was given by Michael Bushby, the Chief Executive of the NSW Roads & Traffic Authority.

The Governors Lectures provide an opportunity for the Foundation’s Governor Members to address the students, as well as staff and members, on some of the exciting challenges and opportunities available within their organisations.

The RTA has had a long history of supporting civil engineering at the University of Sydney and currently sponsors some nine scholarships for Civil Engineers alone and since 2006 over 23 graduates of the University have joined their Graduate Recruitment and Development Program which is one of the most comprehensive programs available. Michael elaborated on the customer service aspects of public service and the challenges which face his organisation. The RTA has a high reliance on engineers and a large demand to replace its aging workforce in an increasingly competitive marketplace.

Michael presented examples of some of the engineering challenges which the authority typically has to address at the Kempsey Bypass, Sugarloaf Range Crossing and the M5 East Filtration Plant and some of the innovative technical solutions that have been applied to projects around the state, including CFA piling, quickchange moveable barrier system, diamond grinding, vacuum consolidation and deep soil mixing.

The RTA manages over 20,000 km of roads, 5,000 bridges and major culverts as well as 22 km of tunnels with a total value of the infrastructure under its management in excess of $60 billion. Michael highlighted the increasing need for high quality engineering graduates to manage these assets efficiently and to lead the development of new systems and technologies to provide a road and traffic management system to meet the total transport needs of a growing economy. As they have in the past, graduates from the University of Sydney will continue to be a critical element in the future of the RTA and Michael welcomed the opportunity to build on the already strong ties between his organisation and the University through the Foundation.
ARC LINKAGE GRANT SUCCESS

The Australian Research Council has recently announced the latest round of Linkage Project grants. ARC Linkage projects link researchers in higher education with partner organisations outside of the higher education sector to undertake collaborative research in any discipline.

Some of the research projects this funding will support include:

- A collaborative project between the Faculty of Engineering and Information Technologies, the Sydney Medical School and Microsoft Research Australia has secured $386,000 for a patient-centric holistic e-health project.
- Dr Gregor Verbic and Professor David Hill from the School of Electrical and Information Engineering have been awarded $425,000 for a smart house energy management system. The collaboration with AUSGRID will help reduce greenhouse gas emissions and increase energy efficiency by smarter use of the resources at household level.
- Professor Tony Vassallo from the School of Chemical and Biomolecular Engineering and Professor Thomas Mashmeyer and Associate Professor Anthony Masters both from the School of Chemistry have secured $420,000 over four years for a project to research zinc-bromine batteries, a potentially efficient way of storing renewable energy. Their partner organisations are Alpha Chemicals Pty Ltd and ZBB Technologies Ltd.

PROJECT MANAGEMENT PROGRAM

The Project Management Program is undergoing some exciting changes. In addition to the recently launched Bachelor of Project Management, a new Master of Project Leadership (MPL) is being developed and expected to launch in 2012. Targeted at executives and senior managers seeking a professional degree in project leadership, the MPL is the first of its kind in Australia. Based on a complex systems approach, our project management programs are addressing a growing skills gap in a discipline that crosses industries and sectors.

Visit sydney.edu.au/engineering for details.

IT PROFESSOR AWARDED FOR HIGH PERFORMANCE COMPUTER WORK

BY JOCELYN PRASAD

Professor Albert Zomaya has received global accolades for his longstanding contribution to the development of high performance computing systems that provide the computational speeds needed to model the likes of large DNA structures, forecast global weather patterns and track the motion of astronomical bodies.

Professor Zomaya has received the awards from the Institute of Electrical and Electronic Engineers (IEEE), the world’s largest professional association dedicated to advancing technological innovation and excellence for humanity’s benefit. The awards acknowledge Dr Zomaya’s commitment to resource allocation algorithms and protocols for parallel and distributed computing.

The IEEE awarded Professor Zomaya with the 2011 Technical Committee on Parallel Processing (TCPP) Outstanding Service Award and Technical Committee on Scalable Computing (TCSC) Medal of Excellence in Scalable Computing.

Professor Zomaya has been part of the parallel and distributed computing community for more than 20 years and based at the University’s School of Information Technologies since 2002. His work has spanned a range of high performance computing technologies such as clusters, grids, data centres and cloud computing systems. These days his research focus is on the development of resource allocation methods for green data centres, aimed at reducing the energy consumption of processors in data centres.

Aside from leading his field with research, Professor Zomaya has published seven books and more than 400 research papers on parallel processing, including the first handbook in the field, first published 15 years ago. He founded the Wiley book series on parallel and distributed computing and is editor in chief of the world’s oldest computing journal IEEE Transactions on Computers.

“I feel honoured and very privileged to receive these awards,” Professor Zomaya says. “These are prestigious, highly sought after recognitions and researchers in my field consider them important career milestones. What makes these awards very special is that they have never been awarded to the same person in the same year.”
FACULTY CONTACTS

Dean’s Advisory Committee 2011

PROFESSOR ARCHIE JOHNSTON  Dean
PROFESSOR JOHN PATTERSON  Associate Dean, Research
DR DOUG AULD  Associate Dean, Education
PROFESSOR JOSEPH DAVIS  Associate Dean, International
PROFESSOR KIM RASMUSSEN  Head, Civil Engineering
PROFESSOR TIM LANGRISH  Head, Chemical and Biomolecular Engineering
PROFESSOR STEVE ARMFIELD  Head, Aerospace, Mechanical and Mechatronic Engineering
PROFESSOR BRANKA VUCETIC  Head, Electrical and Information Engineering
PROFESSOR SANJAY CHAHLA  Head, School of Information Technologies
PROFESSOR EDUARDO NEBOT  Head, Australian Centre of Field Robotics
DAVID COX  Chief Operating Officer
ANNETTE ALEXANDER  Faculty Secretary

2011 Sub-Deans

DR IRENA KOPRINSKA  Sub-Dean, Learning and Teaching
DR TIM WILKINSON  Sub-Dean, Undergraduate
PROFESSOR LIAQVAT HOSSAIN  Sub-Dean, Postgraduate
ASSOCIATE PROFESSOR JAVAD ATAI  Sub-Dean, Research Training

Faculty Administration

KEIRAN PASSMORE  Executive Director, Engineering Sydney™
SOBHINI SINNATAMBY  Senior Development Officer
GABRIELLE SMITH  Manager, Marketing & Communications
JOANNA STORTI  Manager, International & Student Relations
KAREN WORSFOLD  Alumni Relations Officer

Presidents and Executive Officers of Foundations and the Warren Centre

PROFESSOR MICHAEL DUREAU  Chairman and Executive Director of the Warren Centre
for Advanced Engineering
JAMES ALLEN  President, Chemical and Biomolecular Engineering Foundation
SKENDER BREGU  Executive Officer, Chemical and Biomolecular Foundation
PETER THORNTON  President, Civil Engineering Foundation
MALCOLM BOYD  Executive Officer, Civil Engineering Foundation
GEORGE MALTABAROW  President, Electrical and Information Engineering Foundation
DIANNE ELLIS  Executive Officer, Electrical and Information Engineering Foundation

FOR MORE INFORMATION CONTACT

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Produced by the Faculty of Engineering and Information Technologies, the University of Sydney, July 2011.
The University reserves the right to make alterations to any information contained within this publication without notice.