ENGINEERING & IT AWARDS NIGHT
Tuesday 24 May 2016
WELCOME FROM THE DEAN, MELBOURNE SCHOOL OF ENGINEERING

Dear students, friends and colleagues,

I warmly congratulate all the students being recognised this evening and welcome you all to this special event. The Engineering & IT Awards Night celebrates the outstanding achievements of our top performing students over the past year. Students included in the Dean’s Honours List have achieved results that place them in the top 5% of their cohort. Their diligence, dedication and academic excellence are recognised this evening, as are the recipients of our competitive scholarships and prizes.

On behalf of the Melbourne School of Engineering, I extend thanks to the many companies, individuals and families for their generous support of our engineering and IT students through scholarships and prizes.

Special thanks also to the Melbourne School of Engineering Foundation Board, and our Industry Advisory Groups for their important contributions to our teaching, research and engagement programs.

Congratulations to all the students recognised this evening and I wish you success in your future endeavours.

Professor Iven Mareels
Dean, Melbourne School of Engineering

MESSAGE FROM THE DIRECTOR, MELBOURNE SCHOOL OF INFORMATION

Dear students, friends and colleagues,

Tonight, we take the time to celebrate the outstanding achievements of our top performing IT students through awards made possible by the generosity of our sponsors.

Thanks are extended to the many companies and individuals for their ongoing support of student excellence in IT at the University of Melbourne.

I would also like to thank the Melbourne School of Engineering Foundation Board and our Industry Advisory Group who contribute to our teaching, research and engagement activities.

The students being recognised tonight demonstrate academic excellence, achieving results that have placed them at the top of their cohort. Their calibre and enthusiasm for Computer Science and Information Systems augurs well for our future as an innovative technology-orientated nation.

I congratulate all students being recognised tonight and wish you well for your future. Wherever you choose to go, may you apply your knowledge and enthusiasm and bring about a positive impact on society

Associate Professor Tony Wirth
(Interim) Director, Melbourne School of Information
ORDER OF PROCEEDINGS

WELCOME FROM THE DEAN, MELBOURNE SCHOOL OF ENGINEERING
Professor Iven Mareels

MESSAGE FROM THE INTERIM DIRECTOR, MELBOURNE SCHOOL OF INFORMATION
Associate Professor Tony Wirth

STUDENT KEYNOTE
Ms Philippa Karoly, PhD candidate

RECEPTION
PHILIPPA KAROLY

Philippa Karoly is one year into her PhD project, ‘Modelling multi-scale epileptic dynamics for seizure prediction’. Her research applies computational models of cortical networks in order to better understand brain function. In 2015, Philippa was a speaker at the 7th International Workshop on Seizure Prediction (IWSP7), held at the University of Melbourne. She was also the recipient of the 2015 Mel Ward Scholarship in Research for work in the field of signal processing for medical imaging, sponsored by Pro Medicus Limited.

Philippa recently received the Kenneth Myers memorial scholarship to support a 6 month exchange as a visiting scholar at the University of Pennsylvania (USA), where she will commence in July. Philippa is an active member of the University of Melbourne community; in 2013 she co-founded the Melbourne University Biomedical Engineering Society. She also captains the ‘Action Potentials’, Biomedical Engineering’s mixed indoor soccer team.

Philippa’s research goal is to design software for implantable brain recording devices. These devices are already revolutionising the treatment of neurological disorders such as epilepsy. The next wave of brain implants will be equipped with smarter software that can utilise more data.
FEATURED ENGINEERING SCHOLARSHIPS & PRIZES

We thank the companies, individuals and families who support our students through scholarships and prizes. Your continued support enables us to attract the best and brightest students regardless of their circumstances and helps shape not only their futures but those of our community and society.

THE CLIVE PRATT SCHOLARSHIPS
The Clive Pratt Scholarships are made possible through a generous bequest from Henry Reginald Clive Pratt, who was a distinguished chemical engineer and a great friend to the Department of Chemical Engineering at the University of Melbourne. As a result of his support, The Clive Pratt Scholarships are assisting exceptional research higher degree students in the Department of Chemical and Biomolecular Engineering to participate in valuable travel opportunities that support their research activities.

Ms Armineh Hassanvand
Ms Kezia Kezia
Mr Wei Sung Ng
Mr Samuel James Skinner

THE EUGEN SINGER AWARD
The Eugen Singer Award was kindly donated by Mrs Josephine Singer in memory of her late husband Eugen Singer who distinguished himself during his lifetime as a chemical engineer working in the field of precision engineering associated with the production and processing of polymers. These awards support students engaged in the study of polymers.

Miss Shu Jie Lam

F.A. KERNOT BEQUEST SCHOLARSHIPS
Awarded to students in the penultimate year of the Master of Engineering, the F.A. Kernot Bequest Scholarships were kindly donated by the late Frederic Archer Kernot, a dentist formerly of Melbourne, who was keenly interested in mechanical workshop work throughout his life. Mr Kernot was also the brother of the first Professor of Engineering at the University of Melbourne, William Charles Kernot.

Mr Andrew Paul John

GEORGE LANSELL MEMORIAL SCHOLARSHIP
The George Lansell Memorial Scholarship was established by Mrs Edith Lansell in commemoration of her late husband, George Lansell, who was a mining pioneer and largely responsible for introducing the diamond drill to quartz mining in Australia. George was famous in his hometown of Bendigo for his tireless efforts to maintain the mining industry to provide employment and was a strong supporter of local charities.

This scholarship is awarded annually to students undertaking a higher degree by research in the field related to mining and metallurgy.

Ms Vera Alexandra Korasidis
Mr Wei Sung Ng
The Melbourne School of Engineering is pleased to award the inaugural Jack Wynhoven Scholarship in 2016. The Jack Wynhoven Scholarship will assist future engineers embark on their dream careers, regardless of their financial circumstances. Established in perpetuity, the scholarship is thanks to a generous commitment from Dr Jack Wynhoven AM and his family.

Dr Wynhoven completed his Bachelor of Engineering (Civil) at the University of Melbourne in 1964 before gaining post graduate degrees, MSc and PhD at the University of Alberta, Canada. He worked as a structural engineer in Canada and Switzerland before returning to Australia to join the Connell Group in 1972, retiring as Chief Executive and Chairman in 2001. Dr Wynhoven has been widely recognised for his contribution to science and technology, awarded an AM in 1999 for services to engineering and promotion and application of technological innovation and a Centenary Medal in 2001 for his outstanding service to science and technology, particularly public science policy.

Dr Wynhoven has been engaged with the Melbourne School of Engineering as a member of the Board of Management since 2006 and is passionate about the impact education can have on making the world a better place. The Melbourne School of Engineering is grateful to the Wynhoven family for their generosity and ongoing commitment to supporting our best and brightest engineers to reach their potential.

Farzana Ahmed
Zhanhuai Huang
Juan Esteban Sanchez Henao
Qi Zhao
James Herbert Mirams Memorial Scholarship
The James Herbert Mirams Memorial Scholarship was established in perpetuity by Alice Ida Mirams, to commemorate her son James Herbert Mirams, who was an engineering student at the University of Melbourne. James Mirams served in the Australian Army during the First World War and died in 1916 due to injuries received in France. The James Herbert Mirams Memorial Scholarship is awarded to high performing students enrolled in a specialised Master’s program.

Mr Alex John Antoniuk
Ms Maria Lorena Moreno Jativa
Ms Sirpa Poiyamozhi
Ms Syafia Nur Rosanti

The John Balfour Memorial Scholarship
The John Balfour Memorial Scholarship was established in perpetuity to commemorate the late John Eyres Balfour, who completed a Bachelor of Engineering (Electrical) at the University of Melbourne in 1937. He later became an Engineer Sub-Lieutenant of the Royal Australian Naval Volunteer Reserve and was lost at sea in 1943 during the Second World War.

The John Balfour Memorial Scholarship was donated by his parents, Lewis John Balfour and Ella Nerrina Balfour, as well as Phyllis Eyres Read and Beverley Eyres Balfour. This scholarship is awarded to high performing students in the penultimate year of the Master of Engineering, with preference given to children of men or women who have served in the Royal Australian Navy or Royal Navy or the Australian or British Merchant Navy.

Mr Lachlan Peter Russell

The Len Stevens Scholarship
The Len Stevens Scholarship will be offered in perpetuity, thanks to the success of a recent Appeal and the generosity of the School’s community of alumni and friends and the Melbourne School of Engineering Foundation. The Len Stevens Scholarship is a highly prestigious award, providing life-changing opportunities to high-performing graduate students, enabling them to undertake a project or experience either locally or overseas, beyond the core requirements of their studies.

Ms Danielle Elizabeth Forster

The Paterson Scholarship
Bob Paterson (BE (Civil) 1949) and Helen Paterson established the Paterson Scholarship with a generous donation held in trust by the University of Melbourne. A scholarship is available annually to students entering an undergraduate degree at the University with the intention of pursuing a career in engineering. The scholarship provides the recipient with significant support throughout the length of their engineering studies. As a result of the Paterson family’s compassion and commitment, this scholarship will be awarded perpetually, providing students with the support to reach their full potential.

Mr Ibrahim Ahmed

Mel Ward Scholarship in Research
The Mel Ward Scholarship in Research has been generously provided by Pro Medicus Limited to commemorate the life of Mel Ward, the last managing director of Telecom Australia and the first person to make a mobile phone call in Australia. His pioneering contributions to the fields of digitisation of Australia’s telephony and data networks, and mobile telecommunications technologies has impacted the everyday life of almost all Australians. Mel was named Victorian Professional Engineer of the Year in 1990 and made an Officer of the Order of Australia in 1993 for services to telecommunications. He died in 2010 at the age of 68.

This scholarship is open to students enrolled in a research higher degree program who are working in a field related to the signal processing for medical imaging.

Ms Philippa Jane Karoly

The Noel Mather Memorial Prize
The Noel Mather Memorial Prize was made possible by Mrs Edith Mather through a generous bequest in memory of her late husband, Noel, who graduated with a Bachelor of Mechanical Engineering from the University of Melbourne in 1924. This prize offers both recognition and financial support to high achieving students and is currently awarded to the student placed first in the final year of the Master of Engineering (Mechanical).

Mr Zakaria Mhammedi

The Paterson Scholarship
Bob Paterson (BE (Civil) 1949) and Helen Paterson established the Paterson Scholarship with a generous donation held in trust by the University of Melbourne. A scholarship is available annually to students entering an undergraduate degree at the University with the intention of pursuing a career in engineering. The scholarship provides the recipient with significant support throughout the length of their engineering studies. As a result of the Paterson family’s compassion and commitment, this scholarship will be awarded perpetually, providing students with the support to reach their full potential.

Mr Ibrahim Ahmed
Robert Bage Memorial Scholarship

The Robert Bage Memorial Scholarship was established by Mrs Edward Bage in memory of her son Edward Frederick Robert Bage, BCE, Lt Royal Australian Engineers, Captain, 3rd Field Company Engineers First Division AIF, who was killed at Gallipoli on 7 May 1915.

The scholarship is open to research higher degree students and is awarded annually for the purpose of field work overseas or study at an overseas University or research institution.

Mr Md Sharafat Hossain

Thomas Ewing Scholarship

The Robert Bage Memorial Scholarship was established by Mrs Edward Bage in memory of her son Edward Frederick Robert Bage, BCE, Lt Royal Australian Engineers, Captain, 3rd Field Company Engineers First Division AIF, who was killed at Gallipoli on 7 May 1915.

The scholarship is open to research higher degree students and is awarded annually for the purpose of field work overseas or study at an overseas University or research institution.

Ms Seyedeh Hosna Tashakkori Hashemi

ExxonMobil Awards for Excellence

The ExxonMobil Awards for Excellence recognise and support the outstanding achievements of students in the penultimate year of their Bachelor of Engineering or Master of Engineering degree.

Recipients must demonstrate academic excellence, involvement in extracurricular activities and experience working as a leader and a member of a team.

Ms Jacqueline Su-Xian Beech
Mr Shahiru Anthony Fernando
Miss Danielle Monique Grant
Ms Vanessa Chie Miyake Gunner
Mr James Michael Hancock
Mr Dhanuka P. Nanayakkara

L.R. East Prize – Engineers Australia

The L.R. East Prize – Engineers Australia was established in memory of Sir Lewis Ronald East, who completed a Bachelor of Engineering (Civil Engineering) in 1921, followed by a Master of Engineering in 1924 at the University of Melbourne. Sir Lewis Ronald East was Chairman of the Victorian State Rivers and Water Supply Commission, a Councillor of the Institution in 1938, from 1944-1955 and from 1958-1962, Chairman of the former Melbourne Division in 1944, President of Engineers Australia in 1952 and elected an Honorary Fellow in 1969. He directed the design and construction of many major works in Victoria and played a prominent part in the preparation of important legislation relating to water and soil conservation, catchment protection and river improvement.

Supported by Engineers Australia, this prestigious prize recognises the achievements of final year engineering students, based on their academic record, extra-curricular activity and involvement in special projects.

Mr Zakaria Mhammedi
FEATURED IT SCHOLARSHIPS & PRIZES

The John Beaton Prize
The John Beaton Prize was established by the Beaton Family, dedicated to John Beaton, an exemplary alumnus of the University of Melbourne, who graduated with a Bachelor of Engineering (Software) (first class Honours) and a Bachelor of Arts (Art History) in 2010. Throughout his exceptional career, John provided unique insights and challenged standard thinking. As a senior consultant with IBM, John was recognised as a visionary who designed and built solutions using leading edge technology in creative ways. Subsequently Amazon.com employed John as a software development engineer in its research arm Lab126 in California. John was described as an innovator and “driver” of ideas, who encouraged and inspired his colleagues to become a world class software team. He was promoted to lead Amazon’s new research team in New York. Tragically, John died in a car accident before taking up that position in July 2014.

This prize recognises academic excellence and exceptional teamwork in the Master of Advanced Software Engineering Project, honouring John Beaton, who was a high achieving student and well-known for his teamwork efforts in this course.

Mr Jordan John Steele
Deloitte Process Analysis Modelling and Design Award

Supported by Deloitte, this award recognises academic excellence and is presented to the student with the highest result in the subject Process Analysis Modelling and Design.

*Mrs Madhavi Chandra Saladi*

Deloitte Student Leader Award

The Deloitte Student Leader Award recognises academic achievement in an IT program, as well as contributions made to the community and demonstrated leadership qualities.

*Mr Jonathan Peter Peng*

EY (Ernst & Young) Excellence Award for Fundamental of Information Systems

Supported by EY, this award recognises academic merit and is awarded to the top performing student in the subject Fundamentals of Information Systems.

*Mr Vishnu Vardhan Ramachandran*

Google Computer Science Prize

The Google Computer Science Prize recognises academic excellence in the subject of Knowledge Technologies, and is awarded to students undertaking a Computer Science, Software Systems, or Software Engineering major.

*Mr Yoshua Simeon Wakeham*

The Johnny Smoes Award for Excellence in IS Strategy and Governance

The Johnny Smoes Award for Excellence in IS Strategy and Governance recognises academic merit and is awarded to the student with the highest result in IS Strategy and Governance.

*Miss Maria Veronica Torres Pena*

The Johnny Smoes Award for Excellence in Programming and Software Development

The Johnny Smoes Award for Excellence in IS Strategy and Governance recognises academic merit and is awarded to the student with the highest result in Programming and Software Development, undertaking a Master of Information Technology.

*Ms Marcella Melissa Munanto*

The PWC Award for Excellence in Information Security Consulting

This prize has been established by PricewaterhouseCoopers to support and reward high achieving students and is awarded annually to the student with the highest result in the subject Information Security Consulting.

*Mrs Monica Antoinette Yupangco-Elloso*

Zanity Award for Excellence in Usability Engineering

The Zanity Award for Excellence in Usability Engineering recognises academic merit and is awarded to the student with the highest result in the subject Usability Engineering.

*Mr Samuel Si-Liang Jin*

Zanity Award for Excellence in Web Information Technology

The Zanity Award for Excellence in Web Information Technology recognises academic merit and is awarded to the student with the highest result in the subject Web Information Technology.

*Mr Albert De Wei Wang*
DEAN’S HONOURS LIST

The Dean’s Honours List recognises outstanding academic performance, representing the top 5% of students enrolled in an engineering or IT masters by course work program.

MASTER OF ENGINEERING
Jamie Henrik Bialecki
Mathew Ross Blair
Mark Bloom
Nicholas Adrian Buttigieg
Antonio Chamora
Lishi Chen
Amanda Ai-Peng Chong
Nathali Christy
Will Challis Clarke
Lachlan Francis Dowling
Shadi Eltantawy
Qi Fan
James Richard Fitzsimmons
Shahiru Anthony Fernando
Samuel James Frick
Stephen Gondokusumo
Kerry Gougoussis
Edward Michael Green
Xiaqin Guo
Kieren Daniel House
Andrew Paul John
Mischka Leon Kamener
Vincent Khau
Nikhil Khurana
Christadam Lakkis
Bentley Lam
Bach Ngoc Dinh Le
Yen Khoon Lee
Lindong Li
Roger Li
Yanbo Lian
Yankai Lin
Patrick Ross Little
Shuci Liu
Weihang Liu
Evelyn Ting-Chuan Loveband
Marn Chi Lum
Zihao Luo
Jiajun Meng
Xiangyue Meng
Zakaria Mhammedi
Hendre Mingtarja
Jayden William Mitchell
Zhewen Mu
Dhanuka P. Nanayakkara
Teck Quan Ng
Anthony Tam Xuan Nguyen
Declan Allan Francis O’Shea
Daniel Eric Payne
Catherine Barbara Phillips
Nikesh Prasad
Zhichen Qu
Zhoushun Ruan
Cedric Scheerlinck
Erdong She
Chad Jwi Sim
Rowan Thomas Skewes
Amelia Swenser-Smith
Sahar Talebi
Zhanghan Tang
William Thay
Stephen Francis White
Shuanglei Wu
Zifan Wu
Xin You
Zhi Yuan Zhou

MASTER OF ENERGY SYSTEMS
Sebastián Adolfo Ellena Gudenschwager
Stuart Hillen

MASTER OF ENGINEERING MANAGEMENT
Bilal Arnous
Julie Ngoc Mai Sara Hoang-Kim

MASTER OF ENGINEERING STRUCTURES
Alex John Antoniuk
Luke Shaw

MASTER OF GEOGRAPHIC INFORMATION TECHNOLOGY
Louisa Roy
JOHN MELVIN MEMORIAL SCHOLARSHIP FOR THE BEST PhD THESIS IN ENGINEERING

James Gossip Melvin and his wife Margaret Drew Melvin established the John Melvin Memorial Scholarship in memory of their son John Melvin, B.C.E who died in battle at Gallipoli on 25 April 1915. The John Melvin Memorial Scholarship is awarded for the Best PhD Thesis in Engineering and is a prestigious prize, recognising excellence in research higher degree study. Nominations were considered on the basis of the impact, international recognition and research outputs arising from the PhD thesis.

Dr Ida Asadi Someh
Department of Computing and Information Systems

Thesis: ‘The role of synergy in achieving value from business analytics systems’ investigated the enablers, mechanisms and outcomes of synergy between business analytics and other organisational systems. Dr Ida Asadi Someh proposed a novel conceptual definition for synergy and a research model that explains how synergy between business analytics and other organisational systems can be realised. Her findings can help organisations achieve significant business value from implementing business analytics systems.
SCHOLARSHIP AND PRIZE SUPPORTERS

We acknowledge and thank the companies, individuals and families who support our engineering and IT students through scholarships and prizes. In 2015, 102 scholarships and prizes were awarded to students, including:

A.E Perry Memorial Prize
Wei Yang Tai

A.T Danks Exhibition
Patrick Little

Aileen Sinclair Memorial Scholarship
Hania Almahad

Bill Robertson Award
Declan O’Shea

C.G.H McDonald Memorial Prize
Hermawan Mulyono

Chemical Engineering Final Year Prize
Xiaoqing Guo

Computer Graphics Merit Award
Jessica Eames

D.J.M Rankin Prize
Zhoushun Ruan

David Silver Prize
Joshua Foleti

David Trezise Robertson Scholarship
William Thay

David Victor Isaacs Prize
Megan Jennings

Design Project Prize
Emily Jamieson

Dixson Scholarship
Alex Antoniuk

Dr John Patterson Prize
William Thomas Sidebottom

E.W.P Kernot Memorial Bursary
Nicholas Jeffries

Fred Green Memorial Prize
Yen Khoon Lee

G.J Thornton-Smith Memorial Prize
Stephen White

Gilbert H. Vasey Prize
Shuci Liu

Gilbert Rigg Scholarship
Angus Fitzpayne
David Whittle

Golder Associates Award
Zifan Wu

Gordon Hunt Memorial Prize
Beiling Chen

H.B Howard Smith Exhibition
Amanda Chong

Herbert Brooks Prize
Yanxiang Huang

Howard Smith Exhibition
Jonathon Grigg

Hydraulic Engineering Graduates Prize
Declan O’Shea
Institute of Engineering and Technology (IET) Student Prize
Zhihao Luo

John & Ann Gibson Prize
Anthony Nguyen

John Monash Exhibition
Hermawan Mulyono

Julian King Prize
Samahir Al Tooqi

Leo Rivett Memorial Prize
Jenni Yao

Marconi Medal
Yoga Ariefman

Mel Ward Scholarship in Telecommunications Engineering
Daniel Follent

Master of Engineering Scholarships (Melbourne School of Engineering Foundation)
Bin Bu
Rajesh Chittor Sundaram
Prakriti Giri
Danielle Grant
James Hancock
Timothy Iredale
Md Saiful Islam
Yi Jin
Mischka Kamener
Yongchul Kim
Brian Mendis
Raana Monshi
Alasdair Norton
Bastian Saputra Oetomo
Jonathan Peng
Mark Robinson
Hadir Samy
Shyam Sarawati
Moses Satyam
Silviana Tana

Norman Westmore Prize
Anthony Kovacevic

Ormsby Hamilton Radio Prize
Yankai Lin

Sidney J Clifton Prize
Xizhe Li

Sir Louis Matheson Prize
Nick Pelham

Surveyors Registration Board of Victoria Prize
Jutachai Visudhipol

The Australian Artificial Intelligence Institute Prize
Alexander Zable

The Steel Reinforcement Institute of Australia Award for Excellence in Reinforced Concrete Design
Patrick Little

W. S Robinson Prize
Zakaria Mhammedi

W.M McPherson Exhibition
Samuel McDonald

Wright Prize in Engineering Design
Matthew De Bono

Wright Prize in Mechanical Engineering
Samuel Crofts
No.1
IN AUSTRALIA

No.18
IN THE WORLD

FOR ENGINEERING
AND TECHNOLOGY*

*QS Faculty Rankings
2015–2016