Faculty Prizes Breakfast

EMPowering People To CHanGe The World
The Dean of the Faculty of Engineering, Computing and Mathematics presents the

Faculty Prizes Breakfast

MONDAY 13 APRIL 2015
Congratulations

On behalf of the Faculty of Engineering, Computing and Mathematics, I take great pleasure in welcoming donors, prize winners and special guests to our annual awards event.

This is a marvellous opportunity for us to celebrate the hard work and outstanding achievements of this exceptional cohort of students.

On behalf of the Faculty and the University, I extend congratulations to you all.

Of course, without the continued and generous support of our donors, this event would not be possible and we thank you sincerely for your contribution. Your involvement in this important part of the Faculty’s activities provides encouragement and motivation for our students to excel in their studies and become leaders of the future.

I wish all students the very best for the remainder of their studies and for their future careers.

Professor John Dell
DEAN, FACULTY OF ENGINEERING, COMPUTING AND MATHEMATICS
Thank you

It is pleasing to see so many students achieving accolades for their academic effort. These awards help to inspire and motivate our students to excel in their studies.

The prizes awarded here today would not be possible without the continued support of our valued sponsors and donors.

On behalf of the Faculty of Engineering, Computing and Mathematics, along with all of our prize winners, I would like to thank you for offering these prestigious awards.

To all the prize winners – well done and congratulations.

Professor Mike Johns
DEPUTY DEAN (EDUCATION). FACULTY OF ENGINEERING, COMPUTING AND MATHEMATICS
Undergraduate Prizes
Abraham Wald Prize in Probability and Mathematical Statistics
The late Professor Abraham Wald was a Professor of Statistics at Columbia University and originator of the field of sequential analysis. He was tragically killed in an aircraft accident in 1950. This prize was established in 1960 by Dr J. Gani.

The prize is awarded to the student with the highest mark in the unit STAT2601 Probability and Mathematical Statistics.

RECIPIENT: Kenyon Ng

Apache Energy Prize in Combustion Science and Technology
The prize is awarded to the student with the highest mark in the unit CHPR5520 Combustion Science and Technology.

RECIPIENT: Nurul Armira Zainal Abidin

Apache Energy Prize in Process Synthesis and Design
The prize is awarded to the student with the highest mark in the unit ENSC3018 Process Synthesis and Design.

RECIPIENT: Keelan O'Neill

Applied Probability Trust Richard Tweedie Memorial Prize in Random Processes and Their Applications
Richard Tweedie was a member of staff in the then UWA Department of Maths in 1978. He was a well-known and respected statistician and probabilist, Richard died in 2001. This prize was established in his memory by the Applied Probability Trust.

The prize is awarded to the student with the highest mark in the unit STAT3061 Random Processes and Their Applications.

RECIPIENT: Georgina Carson

Arup Prize in Structural Dynamics
The prize is awarded to the student with the highest mark in the unit CIVL5501 Structural Dynamics.

RECIPIENT: Faraz Ahmadian

Australian Geomechanics Society Prize
The prize is awarded to the engineering student who presents the best combination of thesis (or technical report) and seminar on a geotechnical topic for the degree of Bachelor of Engineering or the Bachelor of Engineering component of a combined course.

RECIPIENT: Bo Peng

Barry Armour Memorial Award
Barry Armour was a Civil Engineer and Senior Tutor within the UWA Faculty of Engineering from 1973 to 1997.

Barry was always available for his students and was a long-standing patron of The University Engineers Club (UEC). He organised several UWA Gledden Tours that saw students visit places of engineering interest in Europe and South America. Given his love of mountain climbing and the outdoors, it was natural that he should bequeath part of his estate to establish an annual award for students to undertake an adventure activity including a mountaineering course in the Mount Aspiring National Park and sea kayaking in New Zealand.

RECIPIENTS: Catherine Cullen
Andrej Dammer

Blakers Prize in Mathematics and Statistics
Professor A. L. Blaker was a Professor of Mathematics at UWA for 30 years and Head of Department for 29 of them. This prize was established in 1994 by the family, friends, colleagues and ex-students of Professor A. L. Blakers in memory and recognition of his long and dedicated service to mathematics and mathematics education in Australia.

The prize is awarded to the student with the highest mark in the final year of the Mathematics and Statistics major.

RECIPIENT: Calum Braham
Cape Bouvard Prize in Eco-Engineering
The prize is awarded to the student with the highest mark in the unit ENVE4405 Eco-Engineering.
RECIPIENT: Daniel Stone

Cement, Concrete & Aggregates Australia Prize in Structural Concrete
The prize is awarded to the student with the highest mark in the unit CIVL4403 Structural Concrete.
RECIPIENT: Marcel Chee

Chevron Chair Prize in Gas Process Engineering—Advanced Thermodynamics
The prize is awarded to the five students with the highest mark in the unit CHPR4404 Advanced Thermodynamics.
RECIPIENTS: Alexandra Thornton
Fletcher Ehlers
Hugo Breakey
Vincent Jusko
Xiong Xiao

Chevron Chair Prize in Gas Process Engineering - Mass and Energy Balances
The prize is awarded to the five students with the highest mark in the unit ENSC3005 Mass and Energy Balances.
RECIPIENTS: Amit Sett
Calli Sundelowitz
Ethan Huynh
Nicola Broun
Ying Li Chien

Chevron Chair Prize in Gas Process Engineering - Unit Operations and Unit Processes
The prize is awarded to the five students with the highest mark in the unit ENSC3019 Unit Operations and Unit Processes.
RECIPIENTS: Chanel Bernardo
Jocelyn Loh
Lachlan Astfalck
Pauline Ho
Rhodri Simmonds

Clough Prize in Material Behaviour from Atoms to Bridges
The prize is awarded to the student with the highest mark in the unit ENSC1002 Material Behaviour from Atoms to Bridges.
RECIPIENT: Nathan Ho

ConocoPhillips Prize in Fluid Mechanics
The prize is awarded to the student with the highest mark in the unit ENSC3003 Fluid Mechanics.
RECIPIENT: Justin Kruger

Convocation of UWA Graduates Prize in Engineering
The prize is awarded to the student with the highest mark in the unit ENSC1001 Engineering Challenges in a Global World.
RECIPIENT: David Zhu

Convocation of UWA Graduates Prize in Mathematics
The prize is awarded to the student with the highest mark in the unit MATH1002 Mathematical Methods 2.
RECIPIENT: Caleb Thomas

Dr Harold Clough Prize in Risk, Reliability and Safety
The prize is awarded to the student with the highest mark in the unit GENG5507 Risk, Reliability and Safety.
RECIPIENT: Peter Teakle

Engineers Australia Electrical College Derek Humpage Prize
Derek Humpage was a well-known and respected Professor of Electrical Engineering at UWA. His contribution to his field was recognised by a Doctorate of Science in 1986 and the MA Sargent Medal in 1983. The medal is the highest award of the Electrical College board and Professor Humpage was the first West Australian to receive it. He was a Chairman of the National Committee on Control and Computer Systems from 1977 – 1983.
The prize is awarded to the student with the highest mark in the unit ELEC4307 Power Transmission and Control.
RECIPIENT: Sheng Yang
Faculty of Engineering, Computing and Mathematics Medal
The prize is awarded to the most outstanding honours graduand having achieved the highest course weighted average in the Faculty, who is the Faculty’s nominee for the J A Wood Memorial Prize.
RECIPIENT: Joel Valli

Fluor Australia Prize in Electric Machines
The prize is awarded to the student with the highest mark in the unit ENSC3016 Electric Machines.
RECIPIENT: Nikola Petranovic

Fluor Australia Prize in Materials and Manufacturing
The prize is awarded to the student with the highest mark in the unit ENSC3002 Materials and Manufacturing.
RECIPIENT: Mark Musulin

Hyman S. Spigl Prize in Mathematical Methods
Hyman S. Spigl was a former Government Astronomer of WA, a graduate in Surveying (1st Class Hons 1939) and Arts, and part-time lecturer in Surveying at UWA. The original prize was established in 1962 by Hyman’s sisters Dora Green and Myrtle Taylor. In 2013, Hyman’s niece (Judith Rodriguez), and nephews (Rodney Bryant, Barry Green and George Taylor) and their families contributed to the present prize.
RECIPIENT: Shenglong Yu

IChemE Prize in Chemical Engineering Design Project 1 & 2
The prize is awarded to the student with the highest combined mark for CHPR5551 Chemical Engineering Design Project 1 and CHPR5552 Chemical Engineering Design Project 2.
RECIPIENT: Myles Hollingworth

IEEE PES WA Chapter Prize in Power System Analysis
The prize was established by the Institution of Electrical and Electronic Engineers Power Engineering Society WA Chapter in recognition of the contribution by the then UWA Department of Electrical and Electronic Engineering at the IEEE PowerCon 2000 Conference.
The prize is awarded to the student with the highest mark in the unit ELEC5505 Power Systems Analysis.
RECIPIENT: Sheng Yang

Institution of Engineering and Technology Prize in Communications Systems
The prize is awarded to the student with the highest mark in the unit ELEC4402 Communications Systems.
RECIPIENT: Sahil Khubchandani

Dr Julian Hunka Prizes in Dynamics, Vibration and Sound
Dr Julian Hunka was a former lecturer in the then UWA Department of Mechanical Engineering. This prize was established in 1984 by the late Mrs Irene Hunka in his memory.
The prize is awarded to the two students with the highest mark in the unit MECH4426 Dynamics, Vibration and Sound.
RECIPIENTS: Lucien Nguyen, Shi Ran Ding

Keulegan Prize in Hydraulics
Dr Garbis Keulegan was an eminent Civil Engineer who hoped that many imaginative people would continue to work on the important and challenging problems in this field. This prize was established by Professor Walter Debler who visited UWA from the University of Michigan in 1990.
The prize is awarded to the student with the highest mark in the unit ENSC3010 Hydraulics.
RECIPIENT: Zhi Ling
Lycopodium Prize in Mechanical Engineering Design Project 1
The prize is awarded to the student with the highest mark in the unit MECH5551 Mechanical Engineering Design Project 1.
RECIPIENT: Gang Li

Monadelphous Prize in Project Management and Engineering Practice
The prize is awarded to the student with the highest mark in the unit GENG5505 Project Management and Engineering Practice.
RECIPIENT: Lucien Nguyen

MRX Technologies Prize in Control Engineering
The prize is awarded to the student with the highest mark in the unit GENG4402 Control Engineering.
RECIPIENT: Sahil Khubchandani

MRX Technologies Prize in Digital and Embedded Systems
The prize is awarded to the student with the highest mark in the unit ELEC4403 Digital and Embedded Systems.
RECIPIENT: Sahil Khubchandani

Nicolas Searcy Prize in Pure Mathematics
Nicholas Searcy was a devoted scholar in mathematics, science, literature and the fine arts. This prize was established in 2007 by his mother, Professor Jennifer Searcy. On Australia Day 2015 Professor Jennifer Searcy was listed to receive the Order of Australia Medal for services to Education in the fields of Mathematics and Science and received the award at Government House in March.

The prize is awarded to the student with the highest mark in the unit MATH2031 Introduction to Pure Mathematics.
RECIPIENT: Kathleen Dyer

Ronald and Irene Searcy Prize in Mathematical Methods
The prize was established in 2008 by Professor Jennifer Searcy in honour of her late parents, Ronald and Irene Searcy. Ronald and Irene Searcy opened their home to help young students matriculate and succeed in tertiary studies and the prize is to carry forward the good works her parents began. Irene and Ronald Searcy were strong believers in helping young people to attend university and reach the highest possible level in their chosen field even though neither of them had that opportunity themselves. Professor Searcy has maintained a voluntary position at Murdoch University to educate young people in science and mathematics and the prizes she provides in her parents’ names is to honour their generous outlook on life.

The prize is awarded to the student with the highest mark in the unit MATH1002 Mathematical Methods.
RECIPIENT: Caleb Thomas

Santos Prize in Petroleum Engineering
The prize is awarded to the student with the highest mark in the unit GENG5504 Petroleum Engineering.
RECIPIENT: Nurul Armira Zainal Abidin

Shell EMI Chair Prize in Introduction to Design of Offshore Systems
The prize is awarded to the five students with the highest mark in the unit CIVL5505 Introduction to Design of Offshore Systems.
RECIPIENTS: Jake O’Donnell
                  Michael Robba
                  Robert Hewison
                  Vaughan Carroll
                  Yuzhen Li

Stephen John O’Shea Prize in Structural Analysis
Stephen John O’Shea was a final-year honours student in Civil Engineering at UWA who was fatally injured in a traffic accident in 1988 aged 21. This prize was established by Lynne and Denis McLeod.

The prize is awarded to the student with the highest mark in the unit ENSC3008 Structural Analysis.
RECIPIENT: David Duan
Swan Contract Personnel Prize in Applied Engineering Thermodynamics
The prize is awarded to the student with the highest mark in the unit MECH4429 Applied Engineering Thermodynamics.

RECIPIENT: Joshua Reed

Swan Contract Personnel Prize in Circuits and Electronic Systems
The prize is awarded to the student with the highest mark in the unit ELEC4401 Circuits and Electronic Systems.

RECIPIENT: Sahil Khubchandani

Swan Contract Personnel Prize in Coastal and Offshore Engineering
The prize is awarded to the student with the highest mark in the unit GENG5501 Coastal and Offshore Engineering.

RECIPIENT: Tavis Bennett

Tang Prize in Computer Science
The prize is awarded to the student with the highest course weighted average mark, of those completing a Bachelor of Science with a major in Computer Science, a Bachelor of Computer Science or a Bachelor of Computer and Mathematical Sciences with a Computer Science major.

RECIPIENT: Joseph Dunne

Telford Prize in Engineering
Ronald Telford was an engineering graduate of UWA who lost his life at Balikpapan on war service during World War II. This prize was established in 1977 by the late Mrs E. E. Brown in memory of her nephew.

The prize is awarded to the student with the highest mark in the unit ENSC2001 Motion.

RECIPIENT: Nathan Ho

Tesla Prize and Medal in Electronic Materials and Devices
Nikola Tesla was a Serbian American inventor, electrical engineer, mechanical engineer, physicist, and futurist best known for his contributions to the design of the modern alternating current electricity supply system.

The prize is awarded to the student with the highest mark in the unit ENSC3014 Electronic Materials and Devices.

RECIPIENT: Nikola Petranovic

Viscount Plastics Prize in Measurement and Noise
The prize is awarded to the student with the highest mark in the unit MECH4424 Measurement and Noise.

RECIPIENT: Shi Ran Ding

Water Corporation (Rowena Ma) Prize in Civil Hydraulics
Rowena Ma was a Civil Engineering student at UWA, she passed away a year after completing her course in 2000 whilst she was working at Water Corporation in the role of Graduate Engineer.

The prize is awarded to the student with the highest mark in the unit CIVL4402 Civil Hydraulics.

RECIPIENT: Tessa Mcgrath

Water Corporation Prize in Process Instrumentation and Control
The prize is awarded to the student with the highest mark in the unit ELEC5506 Process Instrumentation and Control.

RECIPIENT: Emerson Brophy

Water Corporation Prize in Wastewater Treatment and Reuse
The prize is awarded to the student with the highest mark in the unit ENVE5502 Wastewater Treatment and Reuse.

RECIPIENT: Hannah Dawson
ALL AWARD WINNERS AND SPONSORS ARE INVITED TO PARTICIPATE IN PHOTOS AT THE CONCLUSION OF THE CEREMONY.
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