Annual Prize Giving Ceremony

Undergraduate Winners
2015 Academic Year

Tuesday 14th June 2016, 10.30am

Ainsworth Building Theatre G03
Kensington Campus
UNSW Australia
WELCOME AND OPENING REMARKS
Associate Professor Con Doolan, Acting Head of School

Year 1 Prizes

The 2015 C Madhusudana Prize
for the best academic performance of a 1st year student in the
School of Mechanical and Manufacturing Engineering

Presented to
Samim Erez Ozyurteri

Presented by Associate Professor Chakravarti Madhusudana

Chakravarti Madhusudana worked with UNSW for 34 years, joining as a Lecturer in Mechanical Engineering in 1973. During his time at UNSW he held a number of appointments, including Postgraduate Course Coordinator and Executive Assistant to the Head of School. Associate Professor Madhusudana’s research centred on heat transfer and applied mechanics. He held several visiting appointments, including visiting professorships at Purdue University and Texas A&M University, both in the USA.

The 2015 Royal Institution of Naval Architects (NSW Section) Prize
for the best academic performance by a student in Year 1 of the Bachelor of Engineering program in Naval Architecture

In absentia
Isabella Yan

Presented by Mr Alan Taylor
Year 2 Prizes

The 2015 Professor Eddie Leonardi Prize
for the best performance in all undergraduate courses undertaken in
Years 1 and 2 in the Bachelor of Engineering program of the
School of Mechanical and Manufacturing Engineering

In absentia
Andrew Israel Whitham

Presented by Dr Victoria Timchenko

Eddie Leonardi (1952-2008) enjoyed an illustrious career at UNSW, earning his Bachelor of
Engineering and PhD degrees at UNSW before working as a Research Fellow and then joining as
Lecturer in 1982. Professor Leonardi was appointed Head of School in 2008, shortly before his
untimely death from melanoma. He was a leading researcher in Computational Fluid Dynamics and
developed the School’s Refrigeration and Air Conditioning Laboratory into the only nationally
accredited R&AC testing facility in Australia. He was also a regular consultant and mentor for industry.

The 2015 Royal Institution of Naval Architects (NSW Section) Prize
for the best academic performance by a student in Year 2 of the
Bachelor of Engineering program in Naval Architecture

Presented to
Gian Maria Ferrighi

Presented by Mr Alan Taylor
The 2015 John Harrison Prize
for the best performance in the course Engineering Mechanics 2

Presented to
Alexander Kah Hoh Gan

Presented by Ms Lorna Harrison

John Harrison (1924-2012) was a man of many talents. As well as being a gifted engineering academic and teacher, he was also an inventor, surf champion and Olympic oarsman. Associate Professor Harrison joined the School as a Lecturer in 1957 and was a hit with students, being able to simplify complex problems with examples from his own life experiences. His creative genius resulted in many inventions, including improvements to the way injections were administered to sufferers of Parkinson’s disease, development of a rowing ergometer, and a new style of oar. He even adapted a set of skis to turn a single decker bus into a ‘ski bus’, which resulted in an effective form of transport in Australia’s alpine region. During his time as Executive Assistant to the Head of School he proved to be a great mentor to both academic staff and students alike.

Year 3 Prize

The 2015 Royal Institution of Naval Architects (NSW Section) Prize
for the best academic performance by a student in Year 3 of the Bachelor of Engineering program in Naval Architecture

Presented to
Geoffrey Douglas McCarey

Presented by Mr Alan Taylor
**Year 4 Prizes**

The 2015 Australian Acoustical Society (NSW Division) Prize
for the undergraduate student who obtained the highest mark in the
Fundamentals of Acoustics and Noise course in the
School of Mechanical and Manufacturing Engineering

Presented to
**Win Sum Siew**

Presented by Mr John Wassermann

The 2015 Computer-based Engineering Design Prize
for the best undergraduate thesis making a contribution to computer-based
ingeering design in the School of Mechanical and Manufacturing Engineering

Presented to
**Mark Pollock**

Presented by Associate Professor Con Doolan

The 2015 David Carment Memorial Prize and Medal
for the best overall performance in the final year of the
Bachelor of Engineering degree in Naval Architecture

Presented to
**Alistair Cooper Smith**
**Alexander Geoffrey Walter**

Presented by Mr Phil Helmore

*David Carment (1885-1976) was one of the first Australians to obtain a degree in naval architecture, graduating from Glasgow University with a Bachelor of Science degree in naval architecture. In addition to his work as Chief Naval Architect at Cockatoo Docks and Engineering Company, he taught shipbuilding and naval architecture at NSW Department of Education and Sydney Technical College, and helped to establish UNSW’s Naval Architecture degree. He was instrumental in founding the Australian branch of RINA and maintained a keen interest in yachting throughout his life.*
The 2015 Douglas Archer Prize in Aerospace Engineering
for the best student graduating with First Class Honours in the Bachelor of Engineering degree in Aerospace Engineering

Presented to
Austin Kong

Presented by Associate Professor Con Doolan

Douglas Archer (1925-2004) was a greatly respected figure in aerospace engineering, both at UNSW and internationally. He joined UNSW in 1964, after serving in the RAAF, working on aircraft design in Australia and Britain, and conducting research on spacecraft re-entry in the United States. He did research in a wide range of areas from aircraft safety and wind energy to the basic physics of bird flight. His innovative work on shock waves was recognised around the world. Professor Archer led the Aeronautical Engineering group with great distinction for over a quarter of century. He built up a first rate Aerodynamics Laboratory, developed widely appreciated undergraduate and postgraduate courses across the School, and was deeply committed to his students.

The 2015 R A A Bryant Prize
for the best student graduating with First Class Honours in the Bachelor of Engineering degree in Mechanical Engineering

Presented to
Win Sum Siew

Presented by Mrs Kathy Bryant

Raymond Bryant (1925-2009) began as a lecturer in 1951 in the then new School of Mechanical Engineering and went on to become Head of School 1969-79 and 1984-88. As one of the School’s most active researchers, he was appointed to the Nuffield Chair of Mechanical Engineering in 1962 and was largely responsible for the School’s research activities. Professor Bryant’s own research and teaching focused on fluid mechanics and thermodynamics, particularly gas dynamics, and he instigated the School’s important research on two-phase flow.
The 2015 R E Jeffries Memorial Prize
for the best overall performance in the final year of the
Bachelor of Engineering degree in Mechanical and Manufacturing Engineering

Presented to
Zachary Damien Chin

Presented by Dr Erik van Voorthuysen and Dr Ronald Chan

Reginald Edmund Jeffries was a keen supporter of Industrial Engineering education in Sydney. Following his death in 1976, a bequest in his will saw the establishment of this prize for academic excellence in Industrial (Manufacturing) Engineering. Forty years later, this philanthropic gesture continues to reward our brightest manufacturing engineering students.

The 2015 Royal Institution of Naval Architects (Australian Division) Prize and Medal
for the best ship design by a student in the final year of the Bachelor of Engineering in Naval Architecture program

Presented to
Alistair Cooper Smith
Alexander Geoffrey Walter

Presented by Dr Martin Renilson

The Institution of Naval Architects was formed in the UK in 1860 and incorporated by Royal Charter in 1960 to become the Royal Institution of Naval Architects. In Australia, the graduates of the diploma course in naval architecture formed the Institution of Naval Architects, Sydney Technical College, in 1947. The founding members include some of the legends of naval architecture in Australia, among them David Carment, Cecil Boden, Allan Payne, John Follan, Alan Colquhoun, Charles Sparrow, John Doherty and, last, but certainly not least, John Tuft, who became the first head of naval architecture here at UNSW when it opened for business at Kensington in 1959. Membership of the Institution of Naval Architects STC was widened in 1952 to become the Institution of Naval Architects, Australia, and this Australian institution became a branch of the now international institution in 1954, and a division in 1979. The RINA (Australian Division) prize was inaugurated at UNSW in 1971 to encourage the submission of high-quality ship design projects.
The 2015 RS Components Prize for Engineering Excellence
for the best performance in the final year of the Mechatronic Engineering program

Presented to
Lindsay Daniel Folkard

Presented by Mr Stephen Chan

The 2015 Warwick Slade Royal Aeronautical Society Prize
for the top team performance in Aerospace Design Project A and B by students in the Bachelor of Engineering in Aerospace Engineering program

Presented to
Thomas Findlay Dixon
Andy Hao Huang
Christopher Josifovski
Jung-won Kim
Jonathan Paul Murray
Harpreet Singh
and
Top student in the team and winner of the Royal Aeronautical Society Medal
Peter John Panigiris

Presented by Mr John Vincent

Warwick Slade (1944-1994) had a keen interest in aviation which drove him to obtain his pilot’s license at just 16 years of age. He studied aeronautical engineering at UNSW and worked with Hawker de Havilland, the Royal Aero Club and Hawker Pacific for many years. While seconded to de Havilland in Canada, he worked on the re-design of the Twin Otter aircraft.
Warwick joined the Royal Aeronautical Society in 1971 and served as Meeting Convenor on the Sydney Branch Committee until his death. He arranged and managed, almost single-handed, Branch Symposia, Conferences and Monthly Lecture meetings on a voluntary basis, a very large task. The Warwick Slade Memorial Prize recognises the contribution Warwick made to aviation and to the Royal Aeronautical Society.

CLOSING REMARKS
Associate Professor Con Doolan