



GRADUATION CEREMONY

2:30 pm, WEDNESDAY, 15 MAY, 1996

IN

THE UNION HALL

ENGINEERING



ARMS OF THE UNIVERSITY

The principal elements incorporated in the Arms of the University are the blue of the sea, the gold of the sand and the red of the Illawarra flame tree. The open book often used for educational institutions has also been included.

The Blazon is: "Azure a Book expanded Argent bound and Clasped Or on a Chief of the last three Cinquefoils pierced Gules".

THE UNIVERSITY MACE

In the medieval tradition, the mace is a symbol of the University and the Chancellor's authority as its head, and is carried before the Chancellor on formal occasions such as graduation ceremonies. It is carried on the right shoulder of the mace bearer.

The University of Wollongong mace is constructed from stainless steel and the head is a stylised form of the Illawarra Flame Tree flower from the University's coat of arms. The exterior surface of the mace has a rough finish, symbolising the heavy industrial area of Wollongong, whilst the stamen of the 'flower' is smooth and highly polished to indicate the University's position as a centre for the city and the region. The mace also contains three timber inserts made from one of the three original Moreton Bay figtrees which were a feature of the campus and were estimated to be 500 years old.

The mace was both designed and made by Gino Sanguineti, a local artist, and presented to the University in 1988.



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ORDER OF PROCEEDINGS

THE PROCESSION AND OPENING

The Congregation is requested to stand as the procession, including the Academic Staff, the Council and the Chancellor, enters the Hall.

PROCESSIONAL ANTHEM:.....*Gaudeamus igitur*

NATIONAL ANTHEM:.....*Advance Australia Fair*

CHORAL ITEM*"O occhi, manza mia"*

Composer: Orlando di Lassus

performed by: the Creative Arts Vocal Ensemble

directed by: Houston Dunleavy, BA (Hist), BMus (Comp) (Melb), MM (Comp) MM (Ch.Cond) (Cleveland), PhD (Comp) (Buffalo), Acting Music Development Officer, University of Wollongong

The Chancellor, The Honourable Dr R M Hope, AC, CMG, LLB(Syd), Hon LLD (W'gong), will open the proceedings.

CONFERRING OF DEGREES AND AWARDING OF DIPLOMAS OR CERTIFICATES

Candidates will be admitted to degrees and awarded diplomas by the Chancellor. The Congregation may applaud as the name of each graduate is announced.

MUSICAL INTERLUDE *"That Old Black Magic"*

Performed by: Faculty of Creative Arts Vocal Quartet, Janelle Dehn, Louise Watts, Erin Kelly, Sigrid Langford-Schirf

OCCASIONAL ADDRESS

Mr Paul Jeans, Executive General Manager, BHP Service Companies, will deliver the Occasional Address.

THE THANKS

Professor Peter Robinson, Deputy Vice-Chancellor of the University, will move the vote of thanks.

CONCLUSION

The Chancellor will close the proceedings.

The Congregation is requested to stand as the procession retires.

RECESSIONAL FANFARE..... *"Orb and Sceptre"*

Composer: William Walton

as performed by: St Bournemouth Symphony Orchestra, conducted by D Hill

FACULTY OF ENGINEERING

Bachelor of Engineering

Civil Engineering

Andrew John Allitt
Nigel Colin Barrat
Minas Kassiou
Stuart David Moore
Constantine Papadopoulos

Spiros Papargyriou
Robert Pellicano
Dale Clayton Poland
Magid Fathalla Safein
Gregory Maxwell Singh

Environmental Engineering

Samantha Bogaert

Louise Meredith Watson

Materials Engineering

Anthony Luke Anderson

Stuart John Edney

Mechanical Engineering

Alexander Ang
Anthony Harry Gottardi
Gregory Ian Lawson

Ross McCormick
Lap Hung Wong

Mining Engineering

Grant Matthew Egginton
Shoba Grace Ramakrishnan

David John Stone

Bachelor of Engineering / Bachelor of Commerce

Peter Damien Orton

Bachelor of Engineering (Honours) / Bachelor of Commerce

Adam Paul Clunes (Class II, Division 2)

Bachelor of Engineering (Honours)

Civil Engineering

Lachlan James Adams (Class II, Division 2)
David Scott Banner (Class I)
Jeffrey Scott Bannerman (Class III)
Andrew Martin Behrens (Class II, Division 2)
Bernard John Blom (Class II, Division 2)
Shu-Kai Cheng (Class I)
Tony Crnjak (Class II, Division 2)
Matthew Thomas De Britt (Class III)
Cory Wayne Dickins (Class II, Division 2)
Jeung Hwan Doh (Class II, Division 2)
Stephen Bradley Falkner (Class III)

Bachelor of Engineering (Honours) Cont.

Civil Engineering Cont.

Katherine Frances Gallagher (Class II, Division 2)
Emily Jane Goodall (Class III)
Bruce Andrew Graham (Class II, Division 2)
Shane Ian Harrison (Class III)
George Lasek (Class I)
John Robert Lee (Class III)
Peter Andre Raile (Class I)
Andrew Clifford Redwin (Class III)
George Saisanas (Class II, Division 1)
Foong Soon Seng (Class III)
Andrew Francesco Spinelli (Class III)
Stuart John Strachan (Class III)
Darren James Sturgiss (Class I)
Chi Ming Nicholas Sun (Class II, Division 1)
Paul Trace (Class II, Division 2)
Goran Ugrinovski (Class II, Division 2)
Paul Vecovski (Class I)
Christiaan Lee Witham (Class III)

Environmental Engineering

Lachlan Charles Anderson (Class III)
Matthew John Chadwick (Class I)
Emma Louise Craig (Class II, Division 1)
Gillian Croft (Class I)
Michelle Anne Exton (Class II, Division 1)
Anne Rochelle Homer (Class I)
Julia Louise Irwin (Class II, Division 1)
Rodney John McNeill (Class I)
Michelle Frances Moroney (Class I)
Glenn Byron Munroe (Class II, Division 1)
Craig Alexander Patterson (Class II, Division 1)
Luke Andrew Preston (Class II, Division 2)
Joseph Sullivan (Class III)
Gareth Leighton Thomas (Class I)
Tao Triebels (Class II, Division 1)

Materials Engineering

Dubravko Akmacic (Class I)
Michael John Bate (Class II, Division 1)
Robyn Dawn Bennett (Class III)
Damon Robert Cummins (Class III)
Mark Peter Emr (Class II, Division 1)
Geoffrey Richard Fay (Class II, Division 2)
Kristan Golding (Class II, Division 1)
Matthew Ted Gudze (Class I)
David Warren Haviland (Class II, Division 2)
Stephen Andrew Humphrey (Class II, Division 2)
Christopher Jallard (Class III)
Paul William Johnston (Class I)
Ian James Kennedy (Class II, Division 1)
Anton Kiesel (Class I)
Gaye Frances Kolsky (Class II, Division 2)
Stuart James Laird (Class II, Division 1)
Mark Stuart Lowe (Class II, Division 2)

Bachelor of Engineering (Honours) Cont.

Materials Engineering Cont.

Lucinda Ann Machell (Class II, Division 2)
Peter John Munro (Class II, Division 1)
Hannah Henrietta Ngoma (Class I)
Tully Perram (Class I)
Ricky James Szabo (Class III)
Jacqueline Therese Toohey (Class III)
Adam Treverrow (Class I)

Musical Interlude

Mechanical Engineering

Simon Douglas Ahearn (Class II, Division 1)
Peter Edward Amos (Class I)
Justin Charles Barrett (Class II, Division 1)
Grant Alister Beamish (Class I)
Christian Fyans Bedggood (Class II, Division 2)
Lorenzo Belsito (Class III)
Scott David Bevan (Class II, Division 2)
Philip James Burnard (Class III)
Matthew Joseph Buykx (Class I)
Michael Camilleri (Class II, Division 1)
Edwin Kelsham Fullagar (Class II, Division 2)
Andrew Mark Glutz (Class II, Division 1)
David Bryan Hastie (Class II, Division 1)
Andrew James Lobb (Class II, Division 2)
Sandro Lucchini (Class II, Division 2)
Ian Robert McTighe (Class II, Division 2)
Italo Anthony Meta (Class II, Division 2)
Eterhart Satyawan Metar (Class I)
Mark Russell Oates (Class I)
Deanna Orr (Class I)
Gregory David Powell (Class I)
Erick Agus Santoso (Class III)
David Justin Scott (Class I)
Alan Clifford Towers (Class I)
Michael John Wallace (Class II, Division 2)

Mining Engineering

Shane Mathew Domaschenz (Class II, Division 2)
Dennis Anthony Hunt (Class II, Division 2)
Briony Gae Menchin (Class III)
Lyndon Phillip Montgomery (Class III)
Philip Rodney Price (Class II, Division 2)
Hamish Castle Stuart (Class III)
Graeme John Weeks (Class II, Division 2)

Bachelor of Engineering (Honours) with University Medal

Fiona Natasha Kaul (Class I)

Master of Engineering Studies

Katimin Andriana
Douglas Edward Durey
Khaled Ghoul
Nathan Joel McDonald
Brian Ernest Turvey
Achwan Effendi
Alwan
Arfin Murdisia
Fella Rafael
Soeprapto Indroprajitno
Kadir Jailani

Wisnu Kuncoro
Lantip Pramono
Syahrial Malik
Dariahman Manalu
Mursida Baharudin
Joy Nugroho Saputro
Sopar Rinof Purba
Helmy Rabain
Arief Suhartomo
Gutsi Yasin
Zaidin Zaidin

Master of Engineering (Honours)

Civil Engineering

Majid Ataee-Pour
Patil Sachin Balasaheb
Manuel Chua
Sreekanta Das

Jonathan David Griffiths
Ranajit Samanta
Girgis Soliman

Materials Engineering

Muhammad Irfan Kamaruddin
Iskandar Muda
Triwibowo S. Purnomo

Koesnohadi Soeyanto
Amung Somantri
Satya Graha Somantri

Mechanical Engineering

Muhammad Zafar Burhan
Mark Richard Mackenzie

Brett Howard Palmer
Oscar Daniel Sanjuro

Master of Science (Honours)

Mechanical Engineering

Henry George Allan
Barry Frank Formosa
Timothy Myles Gallagher
Anthony Philip Grainger

Paul Alexander Kordonis
Keith McGann
Eric Victor Solness
Nicholas Brian Turvey

Doctor of Philosophy

Department of Civil & Mining Engineering

Chang Ching Shiau
Title: "Oxygen Transfer in Bubble and Bubbleless Aeration Systems".

Department of Mechanical Engineering

Hassan Sharifi Bidgoli
Title: "Vapour Jet Refrigeration Systems (VJRS)".

Doctor of Philosophy Cont.

Wang Demao

Title: "Analysis and Design of Air-Jet Pumps for Pneumatic Transportation of Bulk Solids in Pipelines".

Norman Owen Freund

Title: "A Thermo-Elasto-Hydrodynamic Study of Journal Bearings".

Ill-Soo Kim

Title: "Numerical and Experimental Analysis for the GMAW Process".

Mohammad Taghi Shervani Tabar

Title: "Computer Study of a Cavity Bubble near a Rigid Boundary, a Free Surface and a Compliant Wall".

Materials Engineering

Qingyu Hu

Title: "Fabrication and Enhancement of Critical Currents of Silver Sheathed (Bi, Pb)₂Sr₂Ca₂Cu₃O₁₀ Tapes".

CONFERRAL IN ABSENTIA

Those whose names appear in the program but who are unable to be present at the ceremony will be admitted to the degrees or awarded the diplomas or certificates for which they have qualified.

FELLOW OF THE UNIVERSITY

Professor Gerard Sutton, Vice-Chancellor of the University, will present for admission as a Fellow of the University:

Mr Paul Jeans

DEGREES CONFERRED BY THE UNIVERSITY COUNCIL SINCE THE OCTOBER 1995 GRADUATION CEREMONIES

Master of Arts

Ms Joanne Elizabeth Oates (Creative Arts) 8 December 1995

Master of Education

Ms Kerrie Louise Griffith 6 October 1995

Master of Arts (Honours)

Mr Derek Hanley (English) 9 February 1996

Master of Science (Honours)

Mr Manish Bhutkar (Computer Science) 8 December 1995
Mr Surya Hadi (Chemistry) 8 December 1995
Mr Takamasa Koshizen (Computer Science) 9 February 1996
Ms Natasha Louise Teychenne (Psychology) 9 February 1996
Mr Takamasa Koshizen (Computer Science) 12 April 1996
Mr John Keith Marthick (Geography) 12 April 1996

Master of Commerce (Honours)

Mr Rodger David Wishart (Accounting and Finance) 9 February 1996

Master of Engineering (Honours)

Mr Srikrishna Jagarlamudi (Materials Engineering) 9 February 1996
Mr Yong-Jin Park (Mechanical Engineering) 9 February 1996
Mr Peter Alan Robinson (Electrical & Computer Engineering) 12 April 1996

Doctor of Creative Arts

Mr Mohammad Kazem Hassanvand Dekamvand 12 April 1996

Doctor of Philosophy

Mr Ahmad Razaghian Arani (Materials Engineering) 8 December 1996
Mr Habib Ahmadi (Sociology) 9 February 1996
Mr Stuart Graham Svenson (Economics) 9 February 1996
Mr Colin Howard Ducker (Education) 9 February 1996
Mr Peter Thomas Bodycott (Education) 9 February 1996
Mr Puangthong Rungswasdisab (History & Politics) 12 April 1996

THE CEREMONY OF GRADUATION

The University of Wollongong has offered university studies for more than 30 years and is known for its energy and innovation in fields ranging from creative arts to communications technology. This University looks towards the 21st century but, in the customs and ceremony of a graduation, it asserts its inheritance from the first Universities of the 12th and 13th centuries. For nearly 900 years, Universities have educated and trained leaders of society and produced ideas and instruments of great social and scientific change. Yet, they proudly retain medieval traditions which still visibly celebrate both the achievements of the scholar and graduate and the Universities' long commitment to the search for knowledge.

The academic titles and terms of address, the music and, especially, the academic dress distinguish and colour a graduation ceremony. The gowns are modified versions of medieval University dress: all masters and scholars were then members of the clergy. This University has chosen blue gowns for all diplomas and for the bachelor and masters degrees. The hoods, originally useful head covers, are lined with different coloured silks and trims to denote the type of award - for example, the Bachelor of Arts hood is lined with gold silk and commerce hood with emerald green. The degree graduates wear blue, tasselled trenchers or mortar boards which were introduced in 17th century Oxford and Cambridge.

The dress for the doctoral degrees, for example Doctor of Philosophy (PhD) and Doctor of Creative Arts (DCA), is distinguished by red facing on the blue gowns and black velvet Tudor Bonnets with coloured tassels. The higher doctorates of Science, Letters and Laws have red gowns faced with blue and a Tudor Bonnet tasselled with silver, gold and purple respectively.

The Chancellor, gowned in black brocade trimmed with gold lace and braid, is the chief dignitary and leader of the University community. The Chancellor presides over meetings of the governing body, the University Council, and confers degrees and diplomas in Council's name.

A graduation ceremony is in many ways an historical pageant but is above all a celebration of individual achievement and the continuing role of the University.