



University of Wollongong

GRADUATION CEREMONY

2:30 pm Thursday, 1 October 1998

Health and Behavioural Sciences, Engineering and Science



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.

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:..... *Contrapunto bestiale*

Composed by: Adriano Banchieri (1568-1634)

Performed by: Members of The University Singers and Creative Arts Vocal Students

Directed by: David Vance, BA(Hons) (UNSW); BMus(Hons) (Syd); LMusA; Sub-Dean, Faculty of Creative Arts; Music Development Officer

The Chancellor, Mr M H Codd, AC, BEc(Hons) (Adel) will open the proceedings.

CONFERRING OF DEGREES AND AWARDING OF DIPLOMAS AND CERTIFICATES

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

MUSICAL INTERLUDE:..... *Proem from The Book of The Dead (1998)*

Composed by: Stephen Gard

*Performed by: Jodi Grant and Amber Elliot, flutes
Houston Dunleavy, clarinet
James Walsh, trombone*

OCCASIONAL ADDRESS

Dr Bruce Cornell will deliver the Occasional Address.

Dr Cornell is the founder and architect of the industry/CSIRO consortium AMBRI, aimed at commercialising Australian technology arising from his earlier (1975-1986) research interests in the molecular physics of biological membrane structure and function. In 1992 he became the principal organiser and founding Director of the CRC for Molecular Engineering and Technology, with partners AMBRI, CSIRO and the University of Sydney.

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..... *Ensaladas (C16th Spanish)*

FACULTY OF ENGINEERING

Bachelor of Engineering

Department of Civil, Mining and Environmental Engineering

Robert James Burke
Robert Andrew Dinning
Stephen Gasson

Aedan Michael Hewitt
Nicole Rosalyn Stevenson

Department of Materials Engineering

Peter David Robson

Department of Mechanical Engineering

Domenic Moretti
Jeffrey Alan Myers

Mile Andrew Vukovic

Bachelor of Engineering, Bachelor of Commerce

Anthony Leslie Delaney

Bachelor of Engineering (Honours)

Department of Civil, Mining and Environmental Engineering

Toby Thomas Browne (Class III)
Paul Charles Cameron (Class III)
John Gadallah (Class II, Division 2)
Grant Frazer Hassall (Class III)
Bevan William Sullivan (Class III)
Anthony Tannous (Class II, Division 2)
Linda Jane Thong (Class II, Division 1)
Nathan Phillip Whishaw (Class II, Division 1)

Department of Materials Engineering

Christopher Anthony Jones (Class I)

Department of Mechanical Engineering

Nicholas James Baker (Class II, Division 2)
Daniel Trent Castelli (Class III)
David Stuart Lundberg (Class I)
Timothy Alan McEwan (Class II, Division 1)
Mendo Petkovski (Class II, Division 1)
Mile Purdevski (Class I)
Pushkin Rahman (Class III)
Adam James Rainer (Class III)
Chun Ho Yu (Class I)

Graduate Certificate in Steel Processing and Products

Shane Joseph King

Graduate Diploma in Engineering

Olatokunbo Ogungbemi

Master of Engineering Practice

Arslan Usmani
Yan Wang

Honours Master of Engineering

Fei Chen
Fengshu Huo
Adeesak Juasrikoon
Tarun Goswami Kumar
Thi Viet Anh Nguyen
Bounpheng Phouthasain
Eddy Rukman

Erick Agus Santoso
Amaya Garmendia Sasiain
Vaughan Simpson
Suhartanto Soedomo
Supramu
Kehe Wang

Doctor of Philosophy

Department of Civil, Mining and Environmental Engineering

Phillip Noel Flentje

Title: "Computer Based Landslide Hazard and Risk Assessment (Northern Illawarra Region of New South Wales, Australia)"

Department of Materials Engineering

Mihail Horia Ionescu

Title: "Growth and Characterisation of Bi-2212 Crystals and Improvement of Bi-2212/Ag Superconducting Tapes"

Priyadarshan Anant Manohar

Title: "Grain Growth and Continuous Cooling Transformation Behaviour of Austenite in Ti-Nb-Mn-Mo Microalloyed Steels"

David James Nolan

Title: "The Influence of Microstructure on the Physico-Chemical Stability of WC-12%Co Thermal Spray Coatings in Galvanizing Application"

Andre Schmickl

Title: "Warm Deformation of Low Carbon Steels"

Department of Mechanical Engineering

Oliver Christopher Kennedy

Title: "Pneumatic Conveying Performance Characteristics of Bulk Solids"

Ratnakar Kulkarni

Title: "Natural Convection in Enclosures with Localised Heating and Cooling"

Emeritus Professorship

Mr David Rome, Vice-Principal (Administration), will present as an Emeritus Professor:

Peter Charles Arnold

FACULTY OF HEALTH AND BEHAVIOURAL SCIENCES

Diploma in Nursing

Dyane Elizabeth Smith

Bachelor of Arts

Jason Ryan Boyd
Martha Fasoulas

Orieta Soraya Hevia
Jane Elizabeth Royan

Bachelor of Nursing

Clancy Erica Lillian Aimers-McGuinness
Anila Akram
Zahida Sultana Noorin Bashir
Ahmed Arain
Sajida Chowdhury
Anthony Trevor Cook
John Maxwell Ferguson
Almas Ghaffar
Margaret Ann Gollop
Terri-Anne Goodwin
Kumiyo Inoue
Robina John
Suzanne Rita Johnston
Riffat Perween Khokhar
Elahi-Nooreen Khokher

Hiun Ju Lee
Stephen Lidman
Nisa Mehrun
Junko Nakahashi
Asifa Nazli
Anees Shagufta
Gul Zarina Shah
Lauren Kathleen Smith
Megan Lea Smith
Almas Akhtar Syeda
Raeline Tipping
Adline Umer Masih
Leanne Cecilia Walsh
Stephen Ross Young

Bachelor of Science

Elouise Michelle Baldwin
Jason Michael Brabant
Andrew James Briggs
Bronwyn Audrey Cox
Perri Jane Dileva
Angie Viviana Figueroa
Christopher Andrew Giesajtis
Elizabeth Ann Griffiths
Charlotte Louise Hodges
Loren Jane Macaulay

Allison Julie McCormack
Michael Kenneth McKinnon
Georgia Grace Perrott
Kellie Ann Richardson
Todd Michael Robinson
Peter Ehsman Rolfe
Emidio John Norm Sartor
Francisca Maria Mart Senden
Narelle Ann Snoxall
Alexis Beth St George

Bachelor of Arts (Honours)

Donna Lee Bosko (Class II, Division 1)

Bachelor of Science (Honours)

Nicole Anne Davies (Class II, Division 1)
Jocelyn Rae Harper (Class I)
Cindy Anne Parker (Class I)
Eliza Mary Wells (Class II, Division 1)

Graduate Certificate in Health Policy and Management

Robert John Foti
Catherine Barbara Shands

Graduate Certificate in Public Health Research Methods

Cheng Peng

Graduate Diploma in Indigenous Health

Jennifer Lucille Heathcote

Graduate Diploma in Nursing

Alison Virginia-Anne Brooks

Graduate Diploma in Science

Brian Ashe
Robyn Faye Ashe
Julie-Anne Penman Burgess
Stephen David Groombridge

Gerard William McShane
Anthony Joseph Pignataro
Denise Katherine Wood

Master of Indigenous Health

Raymond Eldridge

Master of Nursing

Mizue Hiura
Tomoko Kitano

Kirsty Joanne Todd

Master of Public Health

Vanessa Louise Kearney

Master of Science

Catherine Linda Anderson
Kaija Kyllikki Bayliss
Grant William Cameron
Brett Matthew Churnin
James Embiap
Robert Frank
Terence John Froggatt
Narelle Toni Greenlees

Marie Judith Hamilton
Rose-Ann Majella Hooper
Cornelius Kalimet
Joanne Lee Peterson
Joylene Ann Rappo
Shisram
Samir John Touma
Cristi Vanderburg

Honours Master of Nursing

Yvonne White

Doctor of Philosophy

Department of Biomedical Science

Jodie Maree Regan

Title: "Human Physiological Responses to Cold-Water Immersion: Acute and Repeated Exposure"

Department of Psychology

Agnes Au

Title: "The Psychology of Reading: Temporal Processing and Reading"

Department of Public Health and Nutrition

Mario Antony Farina

Title: "An Evaluation of In-Patient Alcohol/Drug Treatment Using Psycho-Social Functioning and Substance Use Criteria"

Doctor of Public Health

Department of Public Health and Nutrition

Heather Ruth Yeatman

Title: "Developing Healthy Public Policy - The case of Australian local government and food and nutrition policies"

FACULTY OF SCIENCE

Bachelor of Science

Betty Atanasovski

Karlee Ann Ball

Robert Karl Bertalan

Paul Mart Bollen

Keith William Boundy

Robert Da Lio

Glenn Stuart Davies

Robert Christian Harvey

Kirk Andrew Hill

Annemieke Louise Jongsma

Paul Anthony Laws

Alicia Jayne Lyon

Ken William Mackenzie

Nigel James O'Reilly

Justine Rainey

Alan John Ryan

Andrew Robert Smith

David Scott Montag Wood

Bachelor of Environmental Science (Honours)

Christopher Wallace Haley (Class I)

Emma Jane Morice (Class I)

Mark Stephen Spence (Class II, Division 2)

Bachelor of Medicinal Chemistry (Honours)

Kor Hin Dang (Class II, Division 1)

Bachelor of Science (Honours)

Sabine Holt (Class II, Division 1)

Paul Gregory McDonald (Class I)

Adam James Mortimer (Class II, Division 1)

Alexander William Watson (Class I)

Master of Science

Cheryl Jean Aldrich

Seema Ali Farrukh

Glen Richard Hinrichs

Simin Torkamani

Honours Master of Science

Philip Campbell

Christopher John Chafer

Carmel Teresa Smallwood

Doctor of Philosophy

Department of Biological Sciences

Sean Derek Cox

Title: "Studies of the Rubisco Oxygenase Reaction Using MnZ +- Dependant Luminescence"

Tania Dalla Pozza

Title: "Development of a Recombinant Pertussis Toxin Operon: Expression and Characterisation in *Escherichia coli* and *Salmonella typhimurium aroA*"

Environmental Science Unit

Chin-Lu Mo

Title: "A Study of In-Plant De-NOx and De-SOx in the Iron Ore Sintering Process"

School of Geosciences

Gary Phillip Colquhoun

Title: "Early Devonian Stratigraphy, Conodont Faunas and Palaeogeography of the Capertee High"

Department of Physics

Michael Lloyd Franz Lerch

Title: "Optical and Electrical Studies of Resonant Tunneling Heterostructures"

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.

**DEGREES CONFERRED BY THE UNIVERSITY COUNCIL SINCE THE MAY 1998
GRADUATION CEREMONIES**

Master of Arts

Michael George Hayes 12 June 1998

Honours Master of Arts

Shalmalee Palekar 12 June 1998

Honours Master of Commerce

Neeru Sharma 7 August 1998

Honours Master of Engineering

I Gusti Putu Bagus Paramajaya 12 June 1998
Mozaffari Khamesh Gholamreza 12 June 1998

Honours Master of Science

Riccardo Fabio Biondini 7 August 1998

Doctor of Philosophy

Mehdi Ghomeshi 12 June 1998
Jie Zhou 12 June 1998
Ning Cui 12 June 1998
Hoedaya Danu 7 August 1998
Peter Keith Fagan 7 August 1998
Ali Akbar Karimi 7 August 1998
Wei-Jui Liu 7 August 1998
Javad Safaei Ghomi 7 August 1998
Abas Moradian Shahrabaky 7 August 1998
Wei Guo Wang 7 August 1998

Doctor of Public Health

Yaghmaie Farideh 7 August 1998

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 a useful head cover, 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 the 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.