



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.