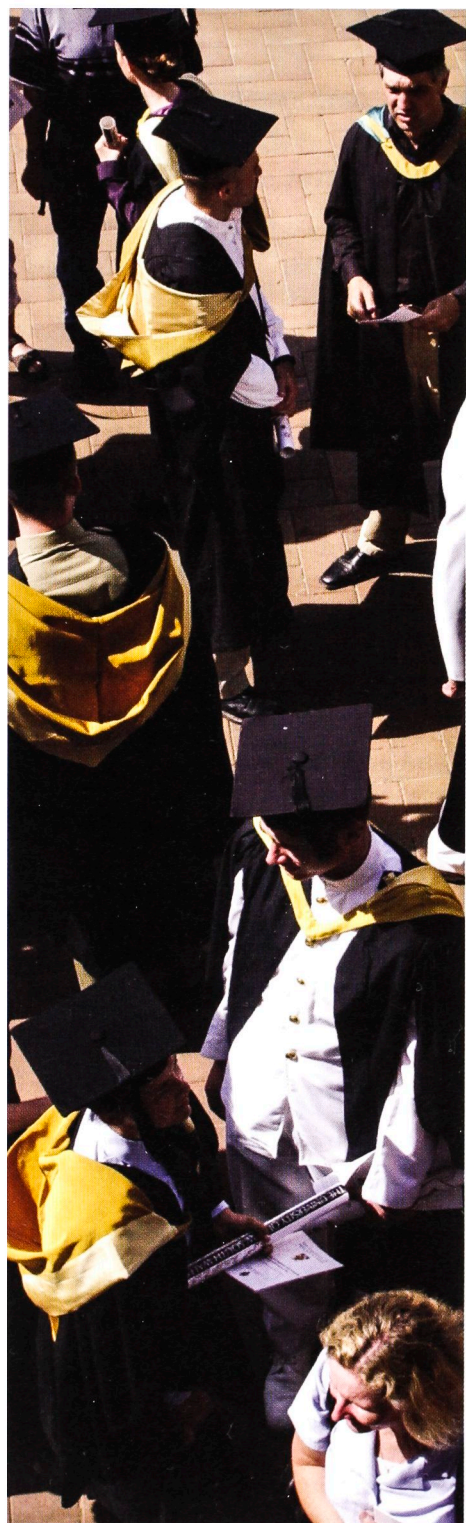


UNSW@ADFA
CANBERRA • AUSTRALIA

**Conferring of Awards
Engineering, Science and Technology**

Wednesday, 13 December 2006 – 2.30pm



Conferring of Awards Engineering, Science and Technology

Welcome from the Vice-Chancellor and President

Congratulations on your graduation, and welcome to this conferral of awards, our most important of ceremonies.

Gaining a degree is a great achievement. We are proud of the achievements of all the graduates who are here today, and recognise the special contribution each has made to the life of the University.

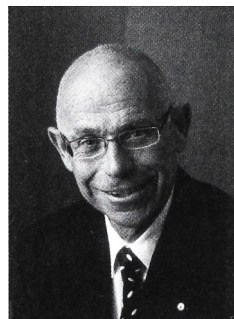
The University also recognises the indispensable role of families and friends who have helped to bring the new graduates to this day of triumph.

The University of New South Wales is considered by many to be Australia's premier university and we are very proud of the quality of our students. The University attracts the best that Australia can offer, and we also bring to our campus a wonderful and diverse cohort of students from throughout the region and the world.

Today you will be admitted into your degree, and become a member of the University. I encourage you to maintain a connection with the University through the Alumni Association. The Association creates opportunities for you to play a part in building one of the great universities of the world.

On behalf of the University, I congratulate you and trust that you will find today's graduation ceremony a celebration of your achievement.

PROFESSOR FREDERICK G HILMER AO
Vice-Chancellor and President



The University of New South Wales

The University of New South Wales (UNSW) was created in 1949 and has been defined since its inception by strong industry links and a global outlook. One of Australia's leading research and teaching universities and foremost international universities, UNSW attracts outstanding scholars and students from around the world. The University's broad range and high quality of teaching programs gains strength, vitality and currency both from our research activities and from our international nature.

UNSW has an extraordinarily strong regional and global engagement and commitment. The University's more than 170,000-strong alumni, many now scattered throughout the world in influential positions, are a testament to UNSW's leadership and excellence in teaching and research. In 2007, UNSW Asia in Singapore will become operational. UNSW Asia is Singapore's first private university, established by invitation of the Government of Singapore, and the first wholly owned and operated research and teaching campus to be established overseas by any Australian university.

UNSW is proud to be a foundation member of the Group of Eight leading research universities in Australia and the prestigious Universitas 21 international consortium.

The University of New South Wales at the Australian Defence Force Academy (UNSW@ADFA)

Located in the national capital, The Australian Defence Force Academy (ADFA) in Canberra is a centre for higher education for the Australian Defence Force.

Within the Academy, The University of New South Wales (UNSW) has established a college, known as UNSW@ADFA, responsible for conducting academic programs and research. UNSW@ADFA offers undergraduate programs leading to UNSW bachelor degrees in Arts, Business, Engineering, Science and Technology. Additionally we offer opportunities for graduate study and research leading to higher degrees, diplomas and certificates.

At UNSW@ADFA our undergraduate students are midshipmen of the Royal Australian Navy and officer cadets of the Australian Regular Army and Royal Australian Air Force, who are in residence at the Academy, and other members of the Australian Defence Force. In addition to their academic studies, midshipmen and officer cadets undertake programs of military training at the Academy and at Service Training Establishments. Registration for postgraduate degrees is available to both military and civilian applicants.

Australian National Anthem

Australians all let us rejoice,
For we are young and free;
We've golden soil and wealth for toil,
Our home is girt by sea;
Our land abounds in nature's gifts
Of beauty rich and rare;
In history's page, let every stage
Advance Australia Fair.
In joyful strains then let us sing
Advance Australia Fair.

Order of Proceedings

Wednesday 13 December 2006, 2:30pm

ACADEMIC PROCESSION

The Academic Procession proceeds to the dais, the Assembly standing. The University Mace is carried by Emeritus Professor Charles Sinclair Newton, Cand Scient *Copenhagen*, PhD *ANU*.

NATIONAL ANTHEM

Advance Australia Fair

WELCOME

The Rector of the University College, Professor John Baird, BSc PhD *ANU*

The Chancellor, Mr David Gonski, AO, BCom LLB *UNSW*, FCPA, FAICD

ADMISSION TO AWARDS

The Presiding Member of the University College Academic Board, Associate Professor Michael Frater, BSc BE *Syd.*, MHED *UNSW*, PhD *ANU*, requests the Chancellor, on behalf of the University Council, to admit candidates to awards.

CONFERRAL OF AWARDS

OCCASIONAL ADDRESS

Professor Veena Sahajwalla, BTech MSc PhD *Mich.*, MAIE, MIBF, MAus, IMM

CONCLUDING REMARKS

The Presiding Member of the University College Academic Board, Associate Professor Michael Frater, BSc BE *Syd.*, MHED *UNSW*, PhD *ANU*

Following the Vote of Thanks, the Assembly will stand while the Academic Procession retires. Refreshments will be served in the Academy Cadets' Mess at the conclusion of the ceremony.

Engineering, Science and Technology Awards

The candidates are presented by Associate Professor Michael Frater

BACHELOR OF SCIENCE BSc

Stuart Damien Simon Arnold

Dale Stuart Axford

Kier James Bailey

Luke James Baldacchino

Leigh Barlow

Catherine Jane Bartholomeusz

James Andrew Bennett

Timothy William Blatt

Stephen James Blume

Andrew Michael James Boyd

Michael Robert Bradshaw

Rhys Brown

Mark David Collins

Jarrin Michael Coombes

Michael Hedley Donnelly

Timothy Luke Edge-Williams

Andrew Alan Erven

Ryan Bruce Fisher

Matthew James Fox

Liesl Claire Franklin

Michelle May Freeman

Andrew Colin Gilbertson

Ross James Gordon

Benjamin Philip Grant

Shelley Frances Griffiths

Daniel Charles Groves

Ami Sara Hansen

Melinda Jayne Harley

Andrew Gordon Harris

Duncan Ellis Henderson

Nicholas Conrad Hornbuckle

Ilka Katrine Jakitsch

Andrew James Kell

Darrin John Daniel Lindsay

Kristian Mark Lyrstedt

James Philip Magnusson

Michael Joseph Maria

Iain Duncan McCausland

Christopher Reuben Millmore
 Emma Marguerite Nixon
 Michael Stephen Palmer
 Luke Michael Ridgway
 William Andrew Edwin Riley
 Bradley Edward Roos
 Paul Spencer Savage
 Aaron James Schurink
 Suzanne Eileen Simmons
 Michael Robert Smith
 Peita Michelle Starcevic
 Jayne Maree Stephens
 Vanessa Marie-Ann Stothart
 Martin James Talbot
 Christie Jane Underwood
 Dean Geoffrey Uren
 Michael Stephen Varga
 Alexander Geoffrey Walter
 Dustin John Welbourne

HONOURS CLASS 2 DIVISION 1

Oceanography

Fiona Jane Simmonds

Physics

Stuart James Jonathan Clarke

HONOURS CLASS 1

Chemistry

Jarred Leigh James Croft

Computer Science

Geoffrey William Lawes

Mathematics

Thiansiri Luangwilai

HONOURS CLASS 1 AND THE UNIVERSITY MEDAL

Physics

Paul Griffin Andrews

BACHELOR OF SCIENCE BACHELOR OF ARTS BSc BA

Bradley David Blumberg

BACHELOR OF ENGINEERING BE**Aeronautical Engineering**

Bradley Scott Eaton

Nathan Robert Gilmore

Glenn Mark McCormack

Anthony James Moore

Beau Rheinberger

Mark David Ross

William Kristofor Scott

HONOURS CLASS 2 DIVISION 2

Elise Maree Appleby

Robert Geoffrey Bibb

Adam Kurylewski

Jamie Paul Purdon

HONOURS CLASS 2 DIVISION 1

Mark Edward Bell

Rowan James Carter

Jarad Andrew Cybulski

Kenny Kok Keong Khoo

Jon Paul Longbottom

Patrick Anthony Thomas O'Neill

Timothy James Soper

Jason Soroush Taghaode

HONOURS CLASS 1

Drew Abbott

Paul Daniel Bloomfield

Greg Martin Brick

Mark Kentwell Brown

Simon John Russell England

Wei'en Eugene Fu

Justin Wayne Hill

Andrew Robert Newman

Laine Archer Pearce

Liam Ewan Stone

Sally Maree Tepper

Rupert Thomas Walker

CIVIL ENGINEERING

Anneke Marie Kerklaan
James Allan Scott
Kylie Ann Soutar

HONOURS CLASS 2 DIVISION 2

Russell Paul Collins
Grant Edward O'Dwyer
Remi Peter Rafter

HONOURS CLASS 2 DIVISION 1

Jack Brendan Kenneth Plimmer
Damian Peter Stubbs

ELECTRICAL ENGINEERING

John Edward Danson
Philip Anthony Irvine
Nathan Charles Jones
Robert Gregory Ernest Kruger
Andrew Jean-Paul Logan
Brendan Alan Rothery
Dane Michael Zondervan

HONOURS CLASS 2 DIVISION 2

John Andrew Armour
Roger Gary Duggan
Stephen David Field
Jason Dean Grosser
Graeme Shaun Kaberry
Damian Peter Ross

HONOURS CLASS 2 DIVISION 1

Travis Ellemans
Roslyn Iris Hickson
Emma Elizabeth Mayberry
Russell John McGuigan
Charles Winsor
Michael Christopher Wright

HONOURS CLASS 1

Luke Ronald De Jager
Shane Kenneth Mooney
Glenn Kristian Murray
Christopher Tan

Mechanical Engineering

Adam Tristan Masters
Scott Andrew McKenzie
John Reginald Moore
Jason Andrew Kelly Morrison
Adam Joseph Vetter

HONOURS CLASS 2 DIVISION 2

Alexander Bradley McDonald
Peter Charles Stuart
Gordon Kenneth Vine

HONOURS CLASS 2 DIVISION 1

Glenn William Sanders

**BACHELOR OF ENGINEERING BACHELOR OF SCIENCE
BE BSc****Aeronautical Engineering****HONOURS CLASS 1**

Cosimo Peter Panetta

Electrical Engineering**HONOURS CLASS 1**

Jason Carl Keir

Mechanical Engineering**HONOURS CLASS 2 DIVISION 1**

David Benjamin Schoolderman

BACHELOR OF TECHNOLOGY BTech**Aeronautical Engineering**

Rudyard Neil Andrew
Jerome David Appleby
Clinton Joel Baldock
Benn Henry Carroll
Ryan Christopher Christofis
Samuel Jose Da Graca Costa
Michael Patrick Hannan
Douglas William Izatt
Mark Paul Kenworthy
Robert Krupinski

David Francis Mann
Jude Anthony Power
Genevieve Tara Preston
Taryn Janelle Preston
Shaun Rajzbaum
Melinda Jayne Ritter
David Paul Svarc
Timothy Luke Venz
Damien Nicholas Wilkins
Todd Matthew Woodford

Aviation

Scott Ashley Horsfall
Jasper John McCaldin
Andrew Nilson
Andrew David Robinson
Adam Saber
Andrew Victor Serchen
Adrian Richard Willey

GRADUATE CERTIFICATE GradCert

Electrical Engineering

Dennis Mikolic
Michael Welsh

Information Technology

Belinda Jane Piper

GRADUATE CERTIFICATE IN OPERATIONS RESEARCH AND STATISTICS GradCertORS

Benjamin Ivan Twomey

GRADUATE CERTIFICATE GradCert

Defence Operations Research

Patricia Dexter
Kien Tang
Grant Raymond Tudor
Jun Wang

Information Technology

Michael Vincent Challen
 Robert Peter Fisher
 Shane Michael Christopher Hodgkins
 Stephen Russell Hoffman
 Merik Karman
 Duncan James McIntyre
 Voldemar Mark Hermann Mielens
 David Victor Mills
 David James Moran
 Shane Michael Perris
 Adam James Strickland
 Benjamin David Tweedie
 Penelope Katrina Joy Warren
 Paul Jason Willis

Information Technology - Enterprise Architecture

Daniel Robert Swift

Operations Research and Statistics

Shane Lindsay Rogers

GRADUATE DIPLOMA GradDip**Information Technology**

Qinghong Pu
 Asoka Padmalal Gardiye Punchihewa

GRADUATE DIPLOMA IN SCIENCE GradDipSc**Information Technology**

Glendale Hazel Fucanan Bisenio
 James Sebastian Hamilton
 Kevin John Hurst

MASTER OF ENGINEERING SCIENCE MEngSc**Aerospace Engineering**

Sonia Cain
 Scott Andrew Dagg
 Adam Frizell
 Charles Deloitte Hogan
 Mark Gregory Jackson

David Seaman Johnstone
David John Keogh
Gregory Mathams
Matthew James McDonald
Scott James Nelson
Paul Ronald Reimers
Dominic Richard Sims
John Douglas Stevens
David Ernest Tindal
John R Velarde

Civil Engineering

Mark Hamilton Kelly

Electrical Engineering

Kelly Beech
Cameron James Burhop
Jonathan Stephen Coupe
Edmondo John D'amico
Geoffrey Kym Dyke
Gavin John Kane
Benjamin Michael Rose

Project Management

Alexander Galang Anquillano
Glen Allan Billington
Fergus Campbell Davis
Craig Dempsey
Bernard John Austin Jones
Daniel Frederick Kopunic
Colin Michael Lingo
Cameron James Mann
Michael John Mumford
Linus Cheong Hor Ng
David Matthew Williams

GRADUATE CERTIFICATE GradCert**Civil Engineering**
and**MASTER OF ENGINEERING SCIENCE MEngSc****Project Management**
Stephen Barry Coleman**MASTER OF SCIENCE MSc****Defence Operations Research**
Malcolm Eric McKiggan**Information Communications Technologies Management**
David William Fredericks**Information Technology**

Sheikh Kaiser Ahad
 Rodney Michael Bransgrove
 Daniel Joseph Clark
 Walter Foid
 John Edward Garnett
 David William Campbell Greaves
 Jason Andrew Hart
 Paul Heuer
 Wayne Paul Hopkins
 Troy Francis Huckstepp
 Wanxia Liu*
 Anthony James Menzies
 Huy Tuan Ngo
 Andrew John Patterson
 Matti Peljo
 Guy Rupert Peterson
 Simon Kenneth Quarrell
 Brendon James Schulha
 Salvatore John Sidoti
 Janette Yarmilla Slovik
 John Stavridis
 Xin Tong
 Clifford Peter White
 Qifeng Sissi Yue

Information Technology - Enterprise Architecture

David John Cowey
Hock Chuan Lim
Justin Matthew McLaren
Brian Frank Walker

Operations Research and Statistics

William Dickson Blair
Gia Samantha Justine Gordon-Head
Warren Malcolm James
Weland Mahar
Andrew Melville Wyer

MASTER OF ENGINEERING ME

Aerospace Engineering

Vincenzo Palmeri

DOCTOR OF PHILOSOPHY PHD

Aerospace Engineering

Jonathan Couldrick, ME *Southampton*
Thesis: A study of swept and unswept normal shock wave/turbulent boundary layer interaction and control by piezoelectric flap actuation.

Computer Science

Minh Ha Nguyen, BE *Canb.*
Thesis: Cooperative coevolutionary mixture of experts: a neuro ensemble approach for automatic decomposition of classification problems.

Electrical Engineering

Suwit Pulthasthan, *Diplom Fed Armed Forces Univ, Germany, MSc UNSW*
Thesis: Optional placement of sensors and actuators for sound-structure interaction systems.

Geography

Christopher John Thompson, BSc GradDip *Griff.*
Thesis: The geomorphology of southeast Australian mountain streams.

* Degree previously conferred.

The Music – Band, Pipes and Drums of the Australian Defence Force Academy

BANDMASTER: Warrant Officer Class Two Rod Mason

BAND COORD: Officer Cadet E Webb

DRUM MAJOR: Midshipman M Graham

When the Australian Defence Force Academy was in the latter stages of construction in 1985 the Commandant, RADM P.R. Sinclair AO, RAN, recommended the establishment of the Academy's own volunteer band, which would be in accordance with the practices of military academies he had visited overseas. Once established, the band would provide the music for all the ceremonial activities and many of the functions held at the Academy. Consultation with the Directors of Music of the three services ensued and consequently, due to its larger size and broader experience base, the Australian Army Band Corps was tasked with providing a Warrant Officer Bandmaster.

The Band became functional with the arrival of the cadet population in January 1986, but at first consisted only of a Drum Corps incorporating four side drums and a bass drum. With the arrival of the Bandmaster in July of that year, a fully operational Military Band was soon established. The instruments used then, and chiefly still in use today, were donated by the professional bands of all three services.

The Band organisation now encompasses nine differing ensembles, tailored to cater for the variant tastes and needs of the Academy. Since inception, the Band's ranks have included bagpipes, making it the only military unit in Australia that combines Pipes and Band on a continuous basis.

The Band organisation of today continues to fulfil, and expand, the diverse ceremonial and musical requirements of the Academy, with no concessions being afforded for the extra time commitment necessary from its members. This enthusiasm, dedication and resulting excellence has seen the group earn itself the richly deserved reputation as a model for military academy bands worldwide.

The concluding statement in the Commandant's Commendation to all members of the Band in December 1996 is a fitting brief on the unit's capabilities, and reads in part:

The performance and professionalism of the Band is always of the highest order and reflects great credit upon its membership and the Australian Defence Force Academy.

The University of New South Wales Alumni Association

The University has more than 170,000 alumni living in Australia and in 50 countries around the world. All alumni are members of the Alumni Association. The Association fosters the participation of alumni in the life of the University and through its engagement of alumni assists in the building of UNSW's financial and reputational capital. There are four international Chapters of the Alumni Association; two interstate Chapters; an active Pioneers Group; and the Alumni Associates, a group of friends of UNSW. UNSW offers you the opportunity to stay in touch with The University of New South Wales at the Australian Defence Force Academy and the wider University of New South Wales community as well as your fellow alumni and to benefit from that connection.

For further information visit www.alumni.unsw.edu.au

Academy Graduates Association

The objects of the Association are as follows:

- to foster camaraderie among Graduates of the Australian Defence Force Academy;
- to promote wider community interest in the ideals, objectives and history of the Australian Defence Force Academy by association with service and civilian organisations;
- to provide information and services to Graduates, cadets and other agencies deemed appropriate by the Association; and
- to support other activities in the general interest of the membership of the Association and the Australian Defence Force Academy in keeping with the spirit of the above objectives.

All graduates of the Academy and selected associates can join the Association free of charge. For further information visit www.adfagrad.org



UNSW

THE UNIVERSITY OF NEW SOUTH WALES

Arms of

THE UNIVERSITY OF NEW SOUTH WALES

Granted by the College of Heraldry, London 3 March 1952

In 1994 the University title was added to the Arms to create the University Symbol, shown above.

Heraldic Description of Arms

Argent on a Cross Gules a Lion passant guardant between four Mulletts of eight points Or a Chief Sable charged with an open Book proper thereon the word SCIENTIA in letters also Sable.

The lion and the four stars of the Southern Cross on the Cross of St George have reference to the State of New South Wales which brought the University into being; the open book with SCIENTIA across its page reminds us of its original purpose. Beneath the shield is the motto "Manu et Mente", which is the motto of the Sydney Technical College, from which the university has developed. The motto is not an integral part of the Grant of Arms and could be changed at will; but it was the opinion of the University Council that the relationship with the parent institution should in some way be recorded.

The University Mace

The Mace is a symbol of the dignity and authority of the University. Originally it was a weapon capable of breaking through the strongest armour, and, according to the Encyclopaedia Britannica, was carried in battle by mediaeval bishops so as to conform to the canonical rule that forbade priests to shed blood. Later, maces began to have a ceremonial function, though they were still intended to provide protection, usually to the king's person, and were carried by sergeants-at-arms.

The University's Mace is of simple form, constructed of stainless steel and embellished with silver. The Head, of sixteen satin-finished stainless steel ribs, is surmounted with a silver waratah, the floral emblem of the State of New South Wales, and on its horizontal bar are mounted four silver shields, two engraved with the arms of the University and two with the arms of the State. The inner core has a scarlet velvet lining.

The shaft is of eumung, a New South Wales timber, dark in colour, and terminates in a stainless steel tail. The Mace was presented to the University on 6 December 1962 by the Broken Hill Proprietary Company Ltd.



The History and Significance of Academic Dress

The history of academic dress reaches far back into the early days of the oldest universities. A statute of 1321 required that all "Doctors, Licentiates, and Bachelors" of the University of Coimbra wear gowns.

It is still a vexed question whether academic dress finds its sources chiefly in ecclesiastical or in civilian dress. Gowns may have been counted necessary for warmth in the unheated buildings frequented by mediaeval scholars, and the hood currently in use is the remnant of a garment, also a device against the cold, which could be pulled up over the head and kept in position with the tail wound around the throat. The type of academic headgear most commonly worn by graduates today is the mortar-board cap, also called the trencher cap, which dates back to the seventeenth century. It is also the custom of many universities for Doctors to be allowed to wear a distinctive type of headgear, either a round velvet bonnet or a black velvet mortar-board, with the full dress gown.

As universities developed throughout the Commonwealth countries they mostly prescribed academic costume based on that established for the members of Oxford and Cambridge Universities, where the Chancellor and often other senior members wear a distinctive official gown and hat. Graduates are identified by the wearing of a gown and hood specially prescribed for each degree and undergraduate students wear a distinctive gown and hat.

Notwithstanding the importance of the Oxford and Cambridge tradition of the gown and cap, it is the wearing of a hood by the graduate to indicate his or her degree which is the principal feature of the academic costume code.

The tradition of wearing academic dress continues in universities around the world and it is customary, on ceremonial occasions such as the Conferring of Awards Ceremony today, that the distinctive official costume of each person concerned be worn.

Academic dress of The University of New South Wales is available for hire or purchase from The UNSW Source Graduation and Gift Shop.

Enquiries: Tel: (02) 9385 7757

University Medal

The University Medal is a recognition by the University of outstanding academic achievement at the undergraduate level. The bronze medal carries on its face an engraving of the Arms of the University and on the reverse, within a wreath of laurels, is engraved the name of the recipient.

Abbreviations of Degrees and Diplomas from UNSW

The correct abbreviations of the awards conferred at today's ceremony are listed in the program. The abbreviation follows the name of the graduate and precedes the abbreviation of The University of New South Wales which is *UNSW*.



AUSTRALIAN DEFENCE
FORCE ACADEMY



UNSW
THE UNIVERSITY OF NEW SOUTH WALES