

# Conferring of Awards

UNSW Canberra at ADFA

# Congradulations

CLASS OF 2023





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## We would like to Acknowledge

*Bedegal (Kensington campus), Gadigal (City and College of Fine Arts Campuses) and the Ngunnawal people (Australian Defence Force Academy in Canberra) who are the traditional custodians of the lands where each campus of the University is located.*



# About UNSW Canberra

UNSW Canberra is part of a world-leading university that is dedicated to educating our future leaders.

UNSW Canberra's vision is to improve lives globally through innovative research, transformative education and commitment to a just society.

We support lifelong learning through innovation and engagement whilst leveraging our location in the nation's capital to build meaningful relationships across Defence, industry, government and academia.

We offer a range of undergraduate and postgraduate degrees, along with research programs that are designed and taught by leading researchers who are dedicated to solving real-world problems.

What sets us apart from other universities in Canberra is an intimate learning environment with the highest staff-to-student ratio in Australia. At the UNSW Canberra campus, our students access world-class experts, resources, and facilities to help them excel on their chosen career path.

UNSW Canberra alumni are in-demand worldwide as they graduate well-prepared to address complex and contemporary challenges across Australia, the region and the globe.







# About UNSW

UNSW is Australia's leading university focused on science, technology and the professions, and a peer of the best internationally.

Our motto – Scientia Corde Manu et Mente, "Knowledge by heart, hand and mind" – encapsulates UNSW's commitment to research that has relevance and impact, to teaching that produces graduates prepared for work, and deep engagement with the communities we serve.

Distinguished by our progressive spirit, our priority is to nurture ideas and skills and generate intellectual growth, economic prosperity and social development.

We celebrate the diversity of backgrounds and cultures from which we draw students of the highest potential. We are proudly a university of our region, with a long engagement in the Asia-Pacific.



# Welcome Messages



**David M Gonski AC**  
Chancellor

In life there are some important milestones that must be celebrated, cherished and remembered. In graduating from UNSW Canberra you are achieving one of these.

A graduation is not just a formality. It is an acknowledgement of the significant commitment you have shown to academic excellence and should be a source of great pride to you, now and for many years to come.

Education is one of life's great gifts. And whether you are the teacher or student, the rewards are just as profound. We feel privileged to have had you in our student cohort over recent years and encourage you to stay involved with the University by joining UNSW Alumni.

This will allow us to follow your achievements and successes closely. Such is the scope of this network that wherever you go in this world, you are unlikely to be far from another graduate of this fine institution.

I hope you have enjoyed your time at UNSW and made the most of the opportunities available to you.

Congratulations and good luck.

**David M Gonski AC**  
Chancellor

## **Professor Attila Brungs**

Vice-Chancellor and President



Congratulations on your graduation from UNSW Canberra. This is an achievement to be proud of, and reflects your effort, dedication and academic accomplishment while you have studied with us. More importantly, it signals the beginning of your membership of an outstanding group of alumni representing UNSW not only across Australia, but globally.

Ranked in the top 100 universities worldwide, UNSW is one of Australia's leading research and teaching universities. For many years, the quality of our graduates working in a wide range of professions on every continent has helped build that reputation.

I wish you success in every aspect of your future life and career. I hope that you will stay in touch with the UNSW community. We will take pride in your achievements and the positive impact they bring.

**Professor Attila Brungs**  
Vice-Chancellor and President

# Australian National Anthem

## **Advance Australia Fair**

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Australians all let us rejoice,  
For we are one 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

**Friday 15 September 2023, 2.00pm**

**Humanities and Social Sciences, Business, Technology, Engineering  
and Science Awards**

## **ACADEMIC PROCESSION**

The Academic Procession proceeds to the dais, the Assembly standing.  
The University Mace is carried by Emeritus Professor David Lovell, PhD

## **NATIONAL ANTHEM**

Advance Australia Fair

## **WELCOME**

The Rector of UNSW Canberra, Professor Emma Sparks

Vice-Chancellor and President Professor Attila Brungs, BSc(Hons) UNSW  
DPhil Oxon, FTSE, FRNS

## **ADMISSION TO AWARDS**

The Associate Dean of Education, Professor Jian Zhang requests the  
Vice-Chancellor, on behalf of the University Council, to admit candidates to  
awards.

## **OCCASIONAL ADDRESS**

Kieran Hynes

## **CONCLUDING REMARKS**

The Rector of UNSW Canberra, Professor Emma Sparks.

Following the Concluding Remarks, the Assembly will stand while the  
Academic Procession retires. Refreshments will be served outside, near  
Adams Auditorium at the conclusion of the ceremony.

Photography and framing services will be available in the Adams  
Auditorium Syndicate rooms and South foyer



# Occasional Speaker

## **Kieran Hynes**

Founder and Owner of  
Willyama Services

Willyama is Australia's only 100% Aboriginal and veteran owned, Supply Nation Certified ICT and Cyber professional services company operating nationally. Services include Governance, Risk and Compliance and specialist cyber security services.

Kieran personally has an IT career spanning 30 years across a military career and professional career working for companies such as Telstra, Fujitsu, IBM and Dell. Kieran has a M Sc IT and is current an Adjunct Professor at the University of Canberra.

# Humanities and Social Sciences, Business, Technology, Engineering and Science Awards

## UNSW CANBERRA AT ADFA

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### BACHELOR OF ARTS BA

Aiman Hafiz Bin Fairuz  
Mark Allen Bosaing Bugaling  
Arthur Rajja Gregory  
William David St Quintin

### BACHELOR OF BUSINESS BBus

Liam Joshua Dalton-Carwood

### BACHELOR OF ENGINEERING (HONOURS) BE(Hons)

**Aeronautical Engineering**  
Mortaza Ansari

### Honours Class 2 Division 2

Christopher Alan Burnell

### Civil Engineering

Tanachai Khaoted

### Electrical Engineering

Jamie Philip Cauchi  
Daniell Sun Zhang

### Honours Class 1

Brendan Corsaro

### BACHELOR OF SCIENCE BSc

Gregory Sean Jackson

### GRADUATE CERTIFICATE IN CYBER SECURITY

#### GradCertCybSec

Mohammad Khorshed Alam  
Stewart John Arthur  
Yuan Chen  
Abu Taher Md Didarul Hoq Chy  
Sinan Celal Kaan  
Marco Nocera  
Md Sohel Rana

### GRADUATE CERTIFICATE IN CYBER SECURITY

#### OPERATIONS GradCertCybSecOps

Alan Michael Bretherton  
Tashi Tsering Ghale  
Thomas Ralph Icke

### GRADUATE CERTIFICATE IN LOGISTICS

#### MANAGEMENT GradCertLogMgt

Jayden Matthew Lee



**GRADUATE CERTIFICATE IN PROJECT  
MANAGEMENT GradCertProjMgt**

Paul James Desteno  
John Michael Donald  
Umang Shankar Pandya  
Nathan Stephen Pedroni

**GRADUATE CERTIFICATE IN SPACE  
ENGINEERING GradCertSpaceEng**

Madison Jade Rochford

**GRADUATE CERTIFICATE IN SPACE  
OPERATIONS GradCertSpaceOps**

James Francis Owens  
Riley Joseph Whittington

**GRADUATE CERTIFICATE IN SYSTEMS  
ENGINEERING GradCertSysEng**

Benjamin John Collins  
Logan James Ingram  
Alex Lo  
Md Sayed Mahmud  
Jason Michael Noonan  
Dylan Michael Sayers  
Cody Glen Sharrad  
Ivan-Bozo Skukan  
Miki Tran Ta  
Wai Shun Yu

**GRADUATE CERTIFICATE IN STRATEGIC  
PEOPLE MANAGEMENT GradCertStratPMgt**

Brett John Roberts

**GRADUATE CERTIFICATE IN BUSINESS  
GradCertBus**

Mathew Gerard Hillan  
Adrian Spry  
Christine Jill Walley

**GRADUATE CERTIFICATE IN CYBER SECURITY,  
STRATEGY AND DIPLOMACY GradCertCSSD**

Kirsty Renee Berghauser

**GRADUATE CERTIFICATE IN WAR STUDIES  
GCertWarStudies**

Ainsley Jade Cusmano  
Megan Tiffany Machell  
Lee Travis Warren

**MASTER OF BUSINESS MBus**

Jushua Butler  
Lauren Ashleigh Candelli  
Ben Adam Craythorn  
Jay Crutch  
Matthew James Masfield Dawe  
Alexis Nguyen Gage  
Patrick Lawrence Hoodcamp  
Chad Murphy  
Berlinda Ann O'Rourke  
Kevin Pattison  
Stephen Narsingh Rana  
Simon James Resch  
Patricia Joy Rouhan  
Ricky Lloyd Schmidt  
Eleanor Margaret Snelling  
Bronson Slade Walters  
Liam James Wardle  
Ben Vittorio Weissel  
Rebecca Ann Wilkinson  
Johnny Zamattia

**Excellence**

Renae Catherine Docherty  
Jason Evers

**MASTER OF CAPABILITY MANAGEMENT  
MCapMgt**

Glen Adrian Browning  
Harriet Elisabeth Cameron  
Osanda Chandrajith Senadhira

## MASTER OF CYBER SECURITY, STRATEGY AND DIPLOMACY MCSSD

Christopher Allan Scott Duncan  
Thea Ashleigh Gellerfy  
Lachlan Edward Harley  
Jodie Ann Johnson  
Sharne Maree Kinleyside  
James Toh-Nee Leeds  
Elizabeth Grace Newman  
Harrison Anthony Rule  
Jonathan David Tremethick  
Robert Mark Williams

### Excellence

Simon Lee-Steere  
Sarah Christine McDonagh

## MASTER OF CYBER SECURITY MCyberSec

Matthew James Barnes  
Midhet Ghafoor Chaudhry  
James Anthony Evans  
Jared Farrell  
Simon Andrew Fyfe  
Peter William Tremlett Gauvin  
Timothy Denis Grogan  
Ahmad Hamdan  
Yong Chen Khor  
Ng Kim Leong Jeffrey  
Steffan Kosky  
James Alexander Munro  
Matthew Peter O'Kane  
Oludayo Akinlolu Oludiran-Emmanuel  
Richard Jason Pudadera  
Jayden Mark Kristopher Renzella  
Alan Lindsay Richardson  
Paul Henry Taylor Scott  
Hamish Shepherd  
Chloe Victoria Soklevski  
Ronald Yin Chuan Tong

### Excellence

Callum Sinclair Wilkin  
Daniel Elias Papadopoulos  
Darren Troy Young

## MASTER OF CYBER SECURITY OPERATIONS MCyberSecOps

Alister Michael Blakeley  
Srinivas Rao Chittineni Venkat  
Andrew Peter Karvinen  
Shayne Lewis  
Thomas Edward Lord  
Daniel Reynolds

## MASTER OF ENGINEERING SCIENCE MEngSc

Vladislav Orunbekovich Kaliyev  
David Stary

### Excellence

Liam Patrick McQuellin

## MASTER OF LOGISTICS MANAGEMENT

### MLogMgt

Sophie Jane Dawson  
Danette Margaret Lee-Sapwell  
Damien Rakic

### Excellence

Eve Haskins  
Elizabeth Ellen Wilson

## MASTER OF PROJECT MANAGEMENT MProjMgt

Fleur Alexander  
Erin Grace Bailey  
Justine Alex Bassell  
Darren Bosanko  
Clayton James Browne  
Johnathan Celestine  
Timothy Luke Craig  
Michael Phillip Donnelly  
Julian Dubaj  
Mitchell Brian Elmer  
Jeremy Daniel Fetter  
Kunal Ghangas  
Robert Edward Hogarth  
Corrine Angela Hooke  
Elizabeth Rhianna Horobin  
Daniel Robert Johnson  
Fiona Lesley Jiaying Jones  
Aman Ullah Khan  
Wondong Kim

Jacob Alexander Kleinman  
Tajinder Kumar  
Adam Travis Lachlan  
Braydon Reece Lamb  
Manuel Angel Lopez Fernandez  
Thomas Andrew Geoffrey McKenzie  
Lachlan Murphy  
Stephen Noonan  
Leila Andria Nustas  
Bryce Mitchell O'Hara  
Dale Parker  
Graham Parker  
Christopher Polman  
Tarni Preston  
Daniel Putra  
Kurtis Owen Rainnie  
Fogapoa Samoa  
John Sheslow  
Cameron James Simister  
James Ivan Smeeth  
Joseph Andrew Smith  
Jack Neville Squires  
Chloe Louise Audrey Stevens  
Bradley Thomas Stout  
Daniel Talker  
Scott Robert Thorncraft  
Meaghan Joy Tickner  
Clive John Trenton  
Oliver Karl Wallenius  
Adrian John Watson  
Elizabeth Ruth Sinclair Wells  
Tiffany Jade Winterbottom  
Gareth Edward Wong

**Excellence**

Vicky Elizabeth Briant  
Lyndall Jean MacInnes  
Grant Moran  
Ross Richard Phillips

**MASTER OF PUBLIC LEADERSHIP AND POLICY  
MPubLdPol**

Timothy James Horne  
Shane Gregory Monaghan

**MASTER OF SECURITY AND DEFENCE  
MANAGEMENT MSecDefMgt**

Jessica Louise Main  
Melinda Swift

**MASTER OF SPACE ENGINEERING MSpaceEng**

Joshua John Grant  
Lauren Kelly Koh Hassall  
Amy Rachelle Wellsted Jane  
Brodie Andrew John Kilkenny

**Excellence**

Amy Nicole Fletcher

**MASTER OF SPACE OPERATIONS MSpaceOps**

Douglas Clement De Souza  
Toby Fadida  
Nikki Olsen  
Robert Sumner  
Kaylee Sylvane Verrier

**MASTER OF SPECIAL OPERATIONS MSpecOps**

Christopher Andrew Charles Baillie  
Jeremy Barraclough  
Ryan Magallano  
Brett James O'Neill  
Brodie Stewart  
Gregory Laurence Waters

**Excellence**

Stuart Baden Powell

**MASTER OF SPECIAL OPERATIONS AND  
IRREGULAR WARFARE MSpOpsIWar**

Patrick James Crowther

## **MASTER OF STRATEGIC PEOPLE MANAGEMENT MStratPMgt**

Dennis Bentley  
Atem Gai De Dut  
Felicity Falanga  
Daniel Mark Fisher  
Paul Gibson  
Llani Kennealy  
Peter James Lee  
Jo-Anne McMutrie  
Jessica Jane Robson  
Roxanne Lynette Ronan  
Garry Saju  
Beverly Smith  
Melissa Jayde Spurrett  
Syed Muhammad Wajeel-Ul-Hasan  
Laura Watman

## **MASTER OF STRATEGY AND SECURITY MStratSec**

Patrick Francis Joseph Carmody  
Nicholas Digby Eagle  
James Anders Eriksson  
Thomas Patrick Geraghty  
Hayley Victoria Hermesen  
Peter John Hunter  
Benjamin Owen Jankalns  
James Bernard Lewis  
Fiona Jane McCaffrey  
Andrew Michael McCarthy  
Blake Peter John Sheriff  
Surya Wijaya  
Isaac Duncan Williams  
Dylan Peter Woodland

### **Excellence**

James Lachlan Fraser Saint  
Tristanne Lucy Scott-Durairajah

## **MASTER OF SUSTAINMENT MANAGEMENT MSustMgt**

Simon James Belson  
Matthew Neill Corner  
Ashley Joseph Cox  
Brittany May Craig

## **MASTER OF SYSTEMS ENGINEERING MSysEng**

Neil Bielby  
Rhys James Centin  
Zachary French  
Matthew Leo Francis Lavery  
Peter John Marychurch  
Bryan Leslie Minns  
Marcus Alexander Peel  
Damien Richards  
Christopher Michael Skinn  
Marcus Aloysius Vanderharst

### **Electronic Warfare**

William Gregory Baron-Croston

### **Marine Engineering**

Michael James Zgoznic

### **Networking**

Ashley Stewart Bennett  
James Mark Fitzgerald  
Vuong Khanh Nguyen  
Joe O'Malley

### **Reliability Engineering**

Daniel Jon King  
Kah Lipp Liew

### **Space Systems**

Jack Hill  
Michael Arnold Joseph Moroney  
Liam Daniel Murphy

### **Test and Evaluation**

Alison Cranston  
Brett Robert Grant  
Grant Jason Lamb  
Bryan Law  
Mitchell Jordan Wallace

### **Excellence**

Janakan Srikantharajah  
Matthew James Wright



#### **Weapons and Ordnance**

Dominic D'Castro  
Brendan John Kelleher  
Stephen Patrick Lonergan  
Michael James Savins  
David Ross Sinclair  
Nathan Eric Tabke  
Monica Tabulo  
Timothy Michael John Willis

#### **MASTER OF WAR STUDIES MWarStudies**

Rowland Ernest Dickinson  
Thomas Ward Folley  
Robert Colville O'Neill Pinkerton  
Caroline Fiona Torode

#### **MASTER OF ENGINEERING (RESEARCH) ME(Res)**

**Electrical Engineering**  
Priya Nayar

#### **DOCTOR OF PHILOSOPHY PhD**

##### **Aerospace Engineering**

Paulo Eduardo Barbosa Andrade L Vasconcelos  
Thesis: High-Speed Fluid-Structure Interactions on a Compliant Panel

Susan Gay Burdekin  
Thesis: Air Crew Safety-Related Behaviour in the Workplace: testing pilot non-technical skills self-assessment

Xingshuai Dong  
Thesis: Visual Guidance for Unmanned Aerial Vehicles with Deep Learning

Diego Exposito-Brioso  
Thesis: Wall Temperature and Leading-Edge Bluntness Effects in Hypersonic Laminar Separation

#### **Chemistry**

Ahmed Mohamed El Sayed Abdulrahman  
Thesis: Functionalization of Cucurbituril Derivatives Towards Enhanced Oral Drug Delivery

Beibei Chen  
Thesis: Studies on photoactive ruthenium(II) and iridium(III) polypyridyl complexes

Wan Nur Atikah Binti Haji Wan Nafi  
Thesis: Controlled precipitation and bubble sizes in a bubble column evaporator

Mohammad Ziaee  
Thesis: Innovative wastewater treatment processes

#### **Civil Engineering**

Muhammad Monowar Hossain  
Thesis: Effect of constituent materials in cementitious composites on the durability of military airfield rigid pavements

Elmira Katoozi  
Thesis: Kinetics study of oxalic acid remediation of chromated copper arsenate (CCA)-treated timber for potential re-use

Bo Liu  
Thesis: Creep behaviour of shallow foundations on sand and its implication to soil-structure interaction

Muhammad Qasim  
Thesis: Flexural Strengthening of Reinforced Concrete Beams using Steel and Polyvinyl-alcohol Hybrid Fibre Reinforced Engineered Cementitious Composite

Sanket Rawat  
Thesis: Performance of a new type of high strength engineered cementitious composite at elevated temperatures

**Computer Science**

Daniel Joseph Clark

Thesis: 3D Visualisation - An Application and Assessment for Computer Network Traffic Analysis

Adam John Hepworth

Thesis: Context Awareness in Swarm Systems

Seham Abdelkader Abdelhameed Hussein

Thesis: Identification of Persons and Several Demographic Features based on Motion Analysis of Various Daily Activities using Wearable Sensors

Ksenia Ivanova

Thesis: Multi-Method Framework for Development of Systemic, Technology-Driven Capability Concepts

Firoz Mahmud

Thesis: Evolutionary Algorithms for Resource Constrained Project Scheduling Problems

Hung The Nguyen

Thesis: Apprenticeship Bootstrapping for Autonomous Aerial Shepherding of Ground Swarm

Mohamed Atef Meselhi Abdelhamid Ahmed Radwan

Thesis: Evolutionary Algorithm for Large- Scale Optimization

Sara Elsayed Soliman Khalil Salim

Thesis: Intelligent Privacy-preserving Approaches for safeguarding Internet of Things-integrated Social Media Networks

Aaliya Sarfaraz

Thesis: Blockchain-Coordinated Frameworks for Scalable and Secure Supply Chain Networks

Hong Yen Tran

Thesis: Privacy-preserving schemes for electricity data analytics in smart grids

Sahand Vahidnia

Thesis: Deep and Temporal Ontology Guided Clustering Methods and Representation Learning for Topic Detection and Tracking

**Economics**

Parisa Nakhaei

Thesis: Women Home-Based Business Entrepreneurs in Iran: A Comparative Case Study

**Electrical Engineering**

Ibrahim Abdulrahman Mahmood Al-Ani

Thesis: High-Q Resonant Modes for Light-Matter Interaction Enhancement in Emerging Semiconductor Materials

Ayad Ahmed Ebrahim Al-Mahturi

Thesis: Development of Self-Learning Type-2 Fuzzy Systems for System Identification and Control of Autonomous Systems

Ahmed Gamal Hemeida Ibrahim

Thesis: A Theory of Nonlinear Negative Imaginary Systems

Krishneel Prakash

Thesis: Ancillary Services for Transmission and Distribution Grids using Energy Storage

Md Juel Rana

Thesis: Optimization for Energy Management in the Community Microgrids

Mubeenah Titilola Sanni

Thesis: Voltage Profile Control of Active Distribution Networks

Arman Sharififar

Thesis: Design and Analysis of Efficient Index Coding Methods for Future Wireless Communications

Reem Essam Mohamed Kamal Sherif

Thesis: Shepherding Approaches for Swarm Guidance

Shuixin Xiao

Thesis: Quantum Detector and Process Tomography: Algorithm Design and Optimisation

### Geography

Anh Van Gorman

Thesis: Estimating tropical forest above-ground biomass (AGB) at the local scale using multi-source space-borne remote sensing data

Ziyang Zou

Thesis: Big Data and the Digitalizing Society in China

### History

Glenn Wayne Wahlert

Thesis: The Commander's Eyes and Ears: Australian Army Battlefield Intelligence in the Cold War (1945-75)

### International and Political Studies

Veasna Var

Thesis: Assessing the Impact of China's Foreign Aid on Sustainable Development in Cambodia: 1993-2018

Ali Reza Yunespour

Thesis: Admissions into higher education in Afghanistan: past, present and ensuing inequities

### Management

Anthony James Cotton

Thesis: Testing the nomological network for the Personal Engagement Model

Jiwan Preet Singh Dhillon

Thesis: Controlling the Controls Across Organisational Networks

Andrew Murray Valentine

Thesis: Board-CEO Ties in the CEO Labour Market: Three Essays

### Mathematics

Michaela Cully-Hugill

Thesis: Explicit estimates for the distribution of primes

Forrest James Francis

Thesis: Short Character Sums and Their Applications

Shehzad Shabbirbhai Hathi

Thesis: Some explicit results in analytic number theory

Ethan Simpson Lee

Thesis: Explicit Mertens' Theorems for Number Fields

### Mechanical Engineering

Shuvam Mohanty

Thesis: Computational fluid dynamics analysis of a novel axial flow hydrocyclone separator

Syed Mamun R Rasid

Thesis: Modeling and Control of On-chip Self-sensing Piezoelectric Micro-lens Actuator for Micro-optics Applications

### Oceanography

Yuwei Hu

Thesis: An analysis of historical Marine Heatwaves over the Australian region based on multiple satellite observation products

Senyang Xie

Thesis: On the East Australian Current Encroachment: Remote Sensing, Quantitative Mapping and Spatio-temporal Variability

### Systems Engineering

Md Asadujjaman

Thesis: Planning and Scheduling Supply Chain Integrated Projects

Tarun Kumer Biswas

Thesis: Modeling and Solving Influence Maximization Problems in Social Networks

Victoria Jnitova

Thesis: Learner-focussed methodology for improving the resilience of training organisations in complex environments

Shahed Mahmud

Thesis: Modelling and Optimizing Supply Chain Integrated Production Scheduling Problems

Ebrahim Adel Ebrahim Aly Mohamed

Thesis: An approach for building efficient composable simulation models





A vertical photograph on the left side of the page shows three individuals in academic regalia. The top person is a man with a black beret and a red stole over a black gown. The middle person is a woman with short brown hair, wearing glasses, a black beret, and a red stole. The bottom person is a man with a black beret and a red stole. They are all smiling or looking towards the camera.

# Welcome to the UNSW Alumni Community

As a UNSW graduate, you automatically become a part of our alumni network that encompasses a global community of over 315,000 UNSW alumni across 153 countries.

Our alumni are world leaders – made up of global CEOs, world changers, sports heroes, internationally renowned designers as well as arts and fashion icons. As a UNSW alumnus you're part of a strong and influential community that actively contributes to industry, research, business and not-for-profit sectors to create a just society for our future.

## Young alumni

Staying connected to your university and classmates is never more important than in the few years following graduation. Maintaining these relationships can help you get ahead in years to come, both personally and professionally.

Stay in touch and you will be sent information about events, networking opportunities, and our mentoring program which links young alumni with alumni who have had significant experience in their field.

## Contact us

We're always keen to hear from you so stay in touch via social media, email or give us a call. Look out for an invitation in your inbox.

📱 @UNSWAlumni

🌐 [unsw.adfa.edu.au/alumni](https://unsw.adfa.edu.au/alumni)

✉️ [alumni@adfa.edu.au](mailto:alumni@adfa.edu.au)

☎️ +61 02 5114 5276

# Heraldic Description of Arms

## Heraldic Description of Arms

Argent on a Cross Gules a Lion passant guardant between four Mullets 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 "Corde Manu et Mente", which builds on the motto of the Sydney Technical College, from which the University has developed. Adding "Corde" or "heart" to the original "Knowledge by Hand and Mind" motto is a representation of UNSW's diversity of thought, social impact, and inclusion, and our community and connections.



**UNSW**  
CANBERRA

*Arms of the University of New South Wales Granted by the College of Heralds, London 3 March 1952.*

*In 1994 the University Title was added to the Arms to create the University Symbol.e.*

## 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 timber and silver. The Head 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 shaft is of eumung, a New South Wales timber, dark in colour.

# 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, that the distinctive official costume of each person concerned be worn.

## University Medal

The University Medal is 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.

**UNSW Canberra**  
Northcott Drive,  
Canberra ACT 2600

**[unsw.adfa.edu.au](http://unsw.adfa.edu.au)**



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1165452864

