



UNSW
SYDNEY

Graduation Ceremony

Faculty of Engineering

Thursday 21 August 2025, 10:30 am

Sir John Clancy Auditorium



UNSW Sydney is a world-leading university, driven by our mission to advance Progress for All globally, through transformative education, innovative research and meaningful engagement with people, communities and partners in Australia and around the world.

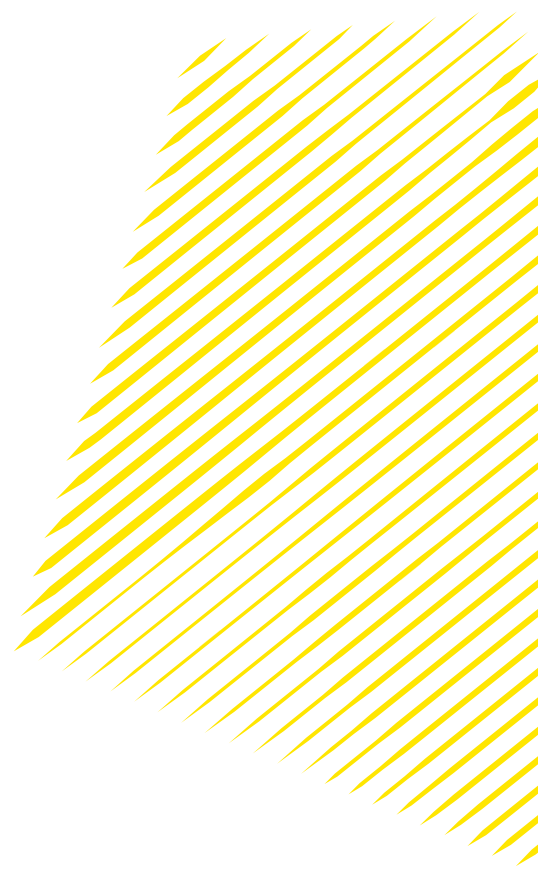
At UNSW, we are committed to our founding purpose and enduring responsibility to apply our talents, resources and renown for the greatest societal benefit.

We continue to drive innovative research that has relevance and impact, and to deliver world-class teaching that equips graduates with knowledge, experience and skills that lead to fulfilling careers and lives underpinned by a desire to make a difference.

Our University community demonstrates the immense potential of education, teaching, research and shared purpose to effect positive change locally and globally.



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





A message from the Chancellor

In life there are some important milestones that must be celebrated, cherished and remembered. In graduating from UNSW Sydney 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 course 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



A message from the Vice-Chancellor and President

Congratulations on your graduation from UNSW Sydney. This is a wonderful achievement that reflects your effort, dedication and academic accomplishment while you have studied with us.

Today marks an important beginning. You have graduated from one of the world's top universities, taking your place among our outstanding alumni who represent UNSW across Australia and across the world.

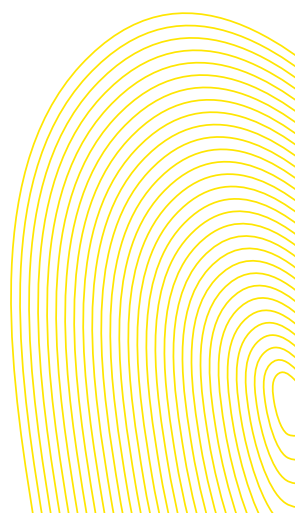
For many years, the quality of our graduates working in a wide range of professions on every continent has helped build our reputation as a leading research and teaching university. Most importantly, our alumni carry the UNSW mission to advance Progress for All. You are now part of that esteemed group.

It is my privilege, as a fellow graduate of UNSW, to welcome you to our alumni community and to wish you well in every aspect of your life and career.

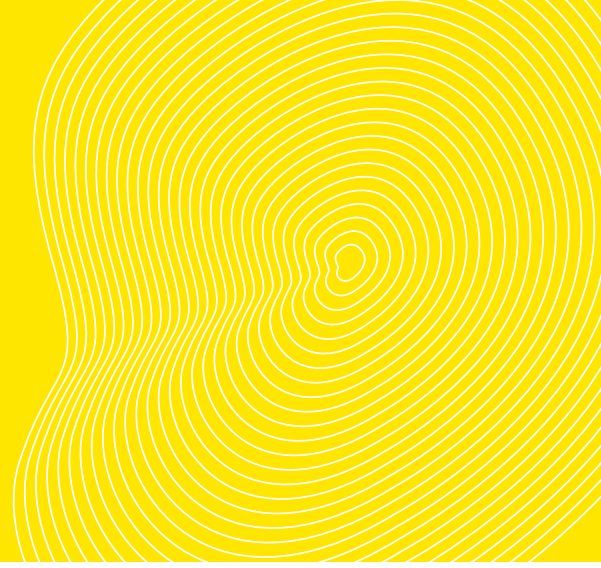
I hope that you will stay in touch with UNSW and always cherish the time you spent studying with us.

Professor Attila Brungs

Vice-Chancellor and President



Australian National Anthem



Advance Australia Fair

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

Sir John Clancy Auditorium
Thursday 21 August 2025, 10:30 am
Faculty of Engineering

Academic Procession

The Academic Procession proceeds to the dais, the Assembly standing. The University Mace is carried by Emeritus Professor David Miller, BSc(Hons) *Manchester*, MA PhD *Pennsylvania*, FAHA FRSN FRHistS.

National Anthem

Advance Australia Fair

Welcome

The Vice-Chancellor & President, Professor Attila Brungs, BSc(Hons) *UNSW*, DPhil *Oxon*, FTSE, FRNS.

Admission to Awards

Professor Ian Gibson, BE(Hons) BSc PhD *UNSW*, FIEAust GAICD, Deputy Dean (Industry Engagement, Innovation and Research) of the Faculty of Engineering requests the Vice-Chancellor & President, on behalf of the University Council, to admit candidates to awards.

Occasional Address

Professor Elias Aboutanios, BE(Hons) *UNSW*, PhD *UTS*, Professor in Signal Processing, School of Electrical Engineering and Telecommunications, UNSW Sydney

Concluding Remarks

Professor Ian Gibson, BE(Hons) BSc PhD *UNSW*, FIEAust GAICD, Deputy Dean (Industry Engagement, Innovation and Research) of the Faculty of Engineering.

Following the Concluding Remarks, the Assembly will stand while the Academic Procession retires.

UNSW College

The candidates will be presented by
Darren Isenberg, Announcer

DIPLoma IN COMPUTER SCIENCE DipCompSc

Carsten Verrell Soegandah
Paing Thu Tun

DIPLoma IN ENGINEERING DipE

Quoc Sang Dao
Amalia Christina Mayasari
Shuning Xue

Faculty of Engineering

The candidates will be presented by
Darren Isenberg, Announcer

BACHELOR OF ENGINEERING (HONOURS) BE(Hons)

Electrical Engineering

Muhtasim Ahmed
Sabharish Kumar Krishnamurthy
Dylan Wei Lim
Isaac Mauceri Thompson

Honours Class 2 Division 2

Justin Wai-Heng Kwok
Mingyue Qin
Agrim Saini
Chia-Chun Shih
Zuellieg Tan
Yuxin Yang
Quan Yuan

Honours Class 2 Division 1

Ahsan Baig
Samuel Marlon Chapman
Mahya Rassafiani
Yunlie Wang

Honours Class 1

Edwin Shaji Kolencherry

Software Engineering

Rohan Agarwal
Fangzhou Chen
Mihail Georgiev Georgiev
Cherise Lee Hoang
Elise Renee McCaul
Duowei Sun
Muhammad Eirfan Bin Yuswira

Honours Class 2 Division 2

Cooper Adam Bartlett
Sammriddh Gupta
Kaniz Kader
Namit Khurana
Aimie Jazlina Binti Mohd Fitri
Akil Mullassery Prashant
William Richard Sieber
Ryan Phuc Vinh Tram
Ian Jun Xuan Yeoh

Honours Class 2 Division 1

Luke Rodney O'Malley
Maximilian Ze Long Rose
Benjamin James Thomas
Aaron James Wilson

Honours Class 1

Jeremy Jaisin Tran

Quantum Engineering
Honours Class 2 Division 1
Sanjana Mahesh
Rosalie O'Brien Nardo

Honours Class 1 and The
University Medal
Junhyeok Tony Youn

**BACHELOR OF
ENGINEERING (HONOURS)**

Electrical Engineering

**BACHELOR OF COMMERCE
BE(Hons) BCom**

Regan Alexander Fan

Software Engineering
Ojasya Suri

Honours Class 2 Division 1
Rubin Jacob Roy

**BACHELOR OF
ENGINEERING (HONOURS)**

Electrical Engineering
Honours Class 2 Division 2

**BACHELOR OF SCIENCE
BE(Hons) BSc**

Eric Rui Chang
Yikun Li
Alexander Lofaro
Yutong Wang

Software Engineering
Honours Class 2 Division 1
Joshua Denison Chung Sy

**BACHELOR OF
ENGINEERING (HONOURS)**

Electrical Engineering
Honours Class 2 Division 1

**BACHELOR OF SCIENCE
BE(Hons) BSc**

Distinction
Olivia Ann Chen

Honours Class 1
Chenglong Gao
Shiqi Han
Thomas Paul Angelo Pacino

Software Engineering
Honours Class 1
Emma Rose Casolin

**BACHELOR OF
ENGINEERING SCIENCE
BEngSc**

Joshua Lewis Stanwell
Afeef Zabir

BACHELOR OF SCIENCE BSc

Computer Science

Lachlan Benjamin Doak

Rubayet Anjuman Gias

Jun Xiang Morgan Zhong

BACHELOR OF SCIENCE BSc

Computer Science

BACHELOR OF SCIENCE BSc

Distinction

Mihika Goyal

**GRADUATE DIPLOMA IN
BIOMEDICAL ENGINEERING
GDipBiomedE**

Nehzat Hazratian

**GRADUATE DIPLOMA
IN INFORMATION
TECHNOLOGY GDipIT**

Amy Rachael Willing

**BACHELOR OF
ENGINEERING (HONOURS)**

Bioinformatics Engineering

**MASTER OF BIOMEDICAL
ENGINEERING BE(Hons)
MBiomedE**

Nathan Grant Huynh

Pratik Raj Mishra

Honours Class 2 Division 1

Sally Ying Chen

**BACHELOR OF
ENGINEERING (HONOURS)**

Electrical Engineering

Honours Class 2 Division 1

**MASTER OF BIOMEDICAL
ENGINEERING BE(Hons)
MBiomedE**

Excellence

Xin Ling Chan

Chrysander Nathanael Josiah

Sukmana

**BACHELOR OF
ENGINEERING (HONOURS)**

**MASTER OF ENGINEERING
BE(Hons) ME**

Electrical Engineering
Honours class 2 Division 2
Yiyang Tang

Honours Class Division 1
Flynn Rippon Cawood

**MASTER OF BIOMEDICAL
ENGINEERING MBiomedE**

Sandeep Waghulde

Excellence
Shaun Antony Kyle

**MASTER OF ENGINEERING
ME**

Electrical Engineering
Shifeng Lin
Ruipeng Wang

Excellence
Chun Hei Chong

**MASTER OF ENGINEERING
SCIENCE MEngSc**

Biomedical Engineering
Xinsong Lu
Chika Emmanuela Orji

Electrical Engineering
Zhenjie Ji
Yingnan Lu
Yuhang Lyu
Quanlei Ma
Mingchen Wei
Yutong Zhao

Excellence
Yuxin Du
Xinmeng Jiang

**Energy Systems
Excellence**
Bashar Emad Abdelmoti Alkhatib

**Geotechnical Engineering and
Engineering Geology**
Ann Rosaline Tieu

Space Systems Engineering
Wanqiu Ding

Telecommunications
Jiahe Wang
Tianyi Xiao
Yuqi Zhang

**MASTER OF INFORMATION
TECHNOLOGY MIT**

Saurav Adhikari

Wenjun An

Wai To Au

Jingheng Cai

Maharshi Mukeshkumar

Chaudhary

Anqi Chen

Liyongshi Chen

Xiangyu Chen

Xinyang Chen

Hao-Hsuan Chien

Mayank Dabas

Zhengqing Ge

Daniel Guardiano Gotilla

Xuyan Hao

Ruifeng He

Shan He

Yao Hu

Zengqianyi Hu

Yuxiang Huang

Kunisuke Ishigaki

Sambhav Jain

Ziqin Jiang

Yuchao Jin

Arsalan Ahmad Khawaja

Jiaqi Li

Yuen Tak Li

Yuhan Li

Yuxin Li

Zonglin Li

Jianhong Liu

Minghao Liu

YanJun Liu

Yuxuan Liu

Anan Lu

Cyril Simon Lucas

Renhua Luo

Bassel Mohsen

Haixin Ou

Yangyang Ou

Amirtha Varshni Pappiah

Thulasiraman

Bo Peng

Madumitha Pichandi

Abhishek Pradeep

Alok Thottakathu

Prasannakuma

Japsica Kaur Saggu

Navee Sarawanangkoor

Priya Shah

Anirudh Sivakumar

Amulya Lokeshwari Sri Raja

Kalidindi

Paul Leonard Stanford

Chaoyang Sun

Yu Sun

Phakamin Tantiwatanavorakul

Thi Huyen Trang Tran

Tung Nhi Tran

Anand Viswanath

Yichen Wang

Yikai Wang

Enshi Wu

Simin Wu

David Xie

Jiangshan Xu

Zhiyin Xu

Chien-Hwa Yang

Senmiao Yang

Wenqin Yang

Xuelian Yang

Qiaoyang Yuan

Xiaofei Yuan

Huiying Zhang

Keyun Zhang

Xuedong Zhang

Yixuan Zhang

Zichen Zhang

Huajun Zhong

Excellence

Aoni Fu

Leyan Gao

Ekkawin Viriyapak

Shousen Zhang

Miguel Carl Ilagan

Oliver Li

Qingru Liu

Yanghao Ren

Bill Edward Shan

Menglin Li

MASTER OF COMMERCE

**MASTER OF INFORMATION
TECHNOLOGY MCom MIT**

Jie Wu

Faculty of Science

The candidate will be presented by
Darren Isenberg, Announcer

**MASTER OF DATA SCIENCE
AND DECISIONS MDataSci**

Kunal Chhikara

Faculty of Engineering

The candidates will be presented by
Professor Ian Gibson, Deputy Dean (Industry Engagement, Innovation and Research)
of the Faculty of Engineering

DOCTOR OF PHILOSOPHY PhD

Biomedical Engineering
Michael Lewis Italiano

Thesis: Characterising and optimising the electrical responses of healthy and degenerating retinas to improve artificial vision

Hyun Jae Lee

Thesis: Surface active Pluronic-monoclonal antibody conjugates for immunoaffinity cell separation

Dhyey Devashish Shah

Thesis: Electrochemical and Biological Influences on Platinum Dissolution: A Study of Degradation Dynamics and Cellular Impact Using Model Cochlear Electrodes

Anh Hien Tran

Thesis: Photo-crosslinkable silk hydrogels for biomedical applications

Shuqian Wan

Thesis: Engineering a 3D microchannel hydrogel system to control motor neuron axon outgrowth for promoting neural regeneration

Computer Science and Engineering

Guanglin Zhou

Thesis: Navigating Distribution Shifts in ML through Causality and Foundation Models

Electrical Engineering

Minghao Gao

Thesis: Control of a High-speed (>50,000 rpm) Interior Permanent Magnet Synchronous Motor

Amus Chee Yuen Goay

Thesis: Optimal Tag Modulation and Resource Allocation for Backscatter Communication Range Maximization

James Lyndon Gray

Thesis: Gradient Consistency: A New Take on Variational Optical Flow and Disparity Estimation

Kevin Shixiao Guo

Thesis: Superconducting and Dielectric Resonators for the Scaling of Silicon MOS Qubits

Miao Jing

Thesis: Does Accept or Reject Give the Full Story: How Can Uncertainty be Quantified to Fill in the Blanks for Automatic Speaker Verification

Abdul Basit Khan

Thesis: Real-time Data-driven Emergency Control of Power Systems considering Battery Energy Storage Systems

Jun Li

Thesis: Optimization for Electric Vehicle Infrastructure and Route Planning in Special Services Systems

Benedict Martin McKeown

Thesis: Commercial Considerations for Space Resource Utilisation in the Context of Mining Feasibility Studies

Zheng Nan

Thesis: Multifaceted Relational Models: A Biologically Inspired Approach to Speech Recognition

Wenbo Shi

Thesis: Error-Mitigated Quantum Routing on Noisy Intermediate-Scale Quantum Devices

Yumeng Tian

Thesis: Reliability Evaluation of Modular Multilevel Converters for Medium Voltage Direct Current Applications

Jiaying Wang

Thesis: 3D Printing Technology for Specialty Silica Optical Fibres

Minyang Wang

Thesis: System Modelling, Controller Design, and Stability Analysis of Grid-Forming Inverters



UNSW Alumni

Progress never ends

UNSW Sydney has always been a springboard for progress. We've spent 75 years driving progress through learning, teaching and research, all to leave our world a little better than we found it. The sharpest minds exploring the bravest ideas.

Every step you'll take after graduating from UNSW will stride towards progress. No matter what path your career journey will take, we're proud to have played a part in it.

Our greatest achievements – breakthroughs in renewable energy, medical technologies and global equity initiatives – are the result of the work you will do in your communities every day. You have aspired to excellence and taken setbacks on the chin. Future generations of students will fill the same classrooms you did, face new challenges, inspired by the legacy you helped create.

As a UNSW graduate, you'll always have a place in a lifelong network of changemakers. Your uni days may be behind you, but our door is always open. Because there's always more to learn, there's always room to grow and there's always more progress to make.

Contact us

We're always keen to hear from you so stay in touch via social media or email.

Website: unsw.edu.au/alumni

Facebook: facebook.com/unswalumni

LinkedIn: UNSW Alumni group

Email: alumni@unsw.edu.au

Heraldic Description of the Arms



*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.*

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 "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.



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 Encyclopedia 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 in its horizontal bar are mounted four silver shields, two engraved 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 mortarboard, 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 specifically 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 their 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 Graduation Ceremony today, that the distinctive official costume of each person concerned be worn.



Academic Dress

Academic dress of UNSW Sydney is available for purchase or hire from UNSW Arc's The Grad Shop.

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

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 Sydney or UNSW.

Contact Information

Sir John Clancy Auditorium

Announcer

Darren Isenberg

Organist

Gerard Horsfall, BE BA *UNSW* – Organist and Director of Music, St Peter’s Church, Surry Hills

Kurt Ison, BMus GradDipMusPerf *USyd*, LTCL, AMusA, Organist and Director of Music, Mary Immaculate Friary Church, Waverley

Titus Grenyer, BMus *USyd*, Director of Music at St John’s Uniting Church, Wahroonga

Singer

Susannah Lawergren, Advanced Diploma of Opera, *USyd*; BA Politics and International Relations with Distinction, *UNSW*

Contact Information

UNSW Graduations Team

graduations@unsw.edu.au
student.unsw.edu.au/graduation

Graduation Services

UNSW ARC THE GRAD SHOP

Morven Brown Building
Lower Ground Floor
Tel: +61 2 9065 0932
Email: thegradshop@arc.unsw.edu.au
Web: thegradshop.arc.unsw.edu.au/
Academic dress, memorabilia

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Stage photograph, plaques, DVD

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Web: jacksonframes.com.au
Testamur framing



