



GRADUATION PROGRAMME

PROGRAMME OF CEREMONIES FOR
THE FACULTY OF ENGINEERING AND PHYSICAL SCIENCES



30 APRIL 2025

HIGH OFFICERS AND SENIOR OFFICERS OF THE UNIVERSITY

Chancellor

HRH The Duke of Kent KG GCMG GCVO

Pro-Chancellors*

Dr Max Taylor
Dato Dr Kim Tan
Dr Jim Glover OBE
Dame Ann Limb DBE
Dr Michael Queen
Dr Steven Myint

Chair of Council

Mr Charlie Geffen

Treasurer

Nigel Jones

Lay Members of Council*

Mr Vibhaker Baxi
Mrs Rachel Hubbard
Ms Pam Powell
Ms Judith Eden
Ms Pam Jestico
Mr Nigel Jones
Professor Julia Buckingham CBE FMedSci
Sir Philip Rutnam KCB
Dr Helen Turner
Linda Wilding

President and Vice-Chancellor

Professor G Q Max Lu AO DL FREng FAA FTSE

Provost and Senior Vice-President

Professor Tim Dunne FASSA

Chief Operating Officer

Mr Will Davies

Pro-Vice-Chancellor, Research and Innovation*

Professor Lisa Collins

Pro-Vice-Chancellor, Education*

Professor Minhua Eunice Ma

Vice-President, Global*

Mr Patrick Degg

Vice-President, Strategic Growth*

Mrs Martine Carter

Pro-Vice-Chancellor, Executive Dean Faculty of Engineering and Physical Sciences*

Professor Bob Nichol

Pro-Vice-Chancellor, Executive Dean Faculty of Arts, Business and Social Sciences*

Professor Annika Bautz

Pro-Vice-Chancellor, Executive Dean Faculty of Health and Medical Sciences*

Professor Roberto La Ragione (Interim)

Chief Student Officer

Mrs Emma Rowsell (Acting)

Chief Financial Officer

Mr Matthew Knight

*In order of appointment



WELCOME FROM THE CHANCELLOR

As Chancellor of the University of Surrey it continues to be my great pleasure to be associated with such a successful and forward-thinking institution. One of the most rewarding aspects of my role is to preside over these ceremonies and to confer degrees upon our graduating students each year.

You have my warmest congratulations. I have whole-hearted admiration for the determination and spirit you have shown to earn this award.

I sincerely hope that you have enjoyed your time here at Surrey. A university education opens the door to great opportunities, and I have no doubt that your qualification, together with the wealth of experiences you will have enjoyed during your time with us, will prove invaluable as you embark on the next chapter of your career and beyond.

May you carry the pride of your accomplishments with you, just as we will proudly support you in your endeavours. We look forward to hearing of your achievements in the future – so do please keep in touch.

HRH The Duke of Kent KG
Chancellor



WELCOME FROM THE VICE- CHANCELLOR

It fills me with immense joy to extend a warm welcome to you all to this degree ceremony to celebrate the success and achievements of our graduating students. Today is a highlight of the academic year, and we are proud to share it with supportive families and friends.

Each of our graduands has a unique Surrey story to tell and yet they are all bonded by the same experience of achieving a qualification from the University of Surrey through hard work, tenacity, and perseverance.

They will now go on to enrich and strengthen our international community, well prepared to make a difference in the world - confident of being ready for anything and equipped with qualities of critical thinking, agility and creativity.

As a UK-leading university, we are committed to delivering tangible social, economic, and environmental impact through high-quality graduates and research. Our two pan-university, transdisciplinary Institutes for

sustainability and people-centred AI represent our commitments to this mission. As we look forward to the future, I hope that all of our graduating students will feel proud to be associated with a university that acts as a real force for change.

To our graduands, while your academic journey may be drawing to a close, you will always be part of the Surrey family. Today you join more than 148,000 alumni, who support one another and make great contributions to society.

I wish you all the very best for the future. I hope you will leave Surrey with fond memories, lifelong friendships and a strong sense of pride. Wherever your journey leads you, remember that Surrey will always be your intellectual home, a place of inspiration and belonging.

**Professor G Q Max Lu AO DL FREng
FAA FTSE
President and Vice-Chancellor**



WELCOME FROM THE EXECUTIVE DEAN

FACULTY OF ENGINEERING AND PHYSICAL SCIENCES

On behalf of my colleagues in the Faculty of Engineering and Physical Sciences it is a great pleasure to welcome graduands and their guests to the degree ceremony today.

We are immensely proud of the care that we take in developing and delivering our taught courses, which are designed to educate, inspire and equip graduates with the professional skills and knowledge to make a real difference in the world of the future.

In research, our achievements in the fundamental sciences are matched by the enterprise with which our researchers apply their ideas in practice – inventions such as the ubiquitous laser, which is at the heart of many everyday devices, such as barcode readers - began life at Surrey.

As experts in the development and application of science, we interact with industry at every level, from our specialist research centres to our much-admired Professional Training placements and practitioner doctorates. Our close industry links and excellent facilities make it possible for our students to work side-by-side with businesses to make

breakthroughs in fields as diverse as artificial intelligence, clean air, electric vehicles, energy, jet engine design, lasers and their applications, mobile telecommunications, security, small satellites, sustainability and water purification.

Our biggest achievement, however, is our highly effective graduates who can take what they have learned and the values that we have instilled, into whatever career they choose and thus benefit society, whilst achieving personal aspirations. We are exceptionally proud of the way our students have persevered through the challenging and often uncertain times during their time at Surrey; they have shown a great resilience, which I am sure will stand them in good stead for the future. A heartfelt Congratulations to all our graduates today.

We are looking forward to seeing where your experience at Surrey takes you and please stay in touch. You will always be part of our family.

Professor Bob Nichol
Pro-Vice-Chancellor, Executive Dean,
Faculty of Engineering and Physical Sciences



HONORARY GRADUAND

DAME SUSAN JOCELYN BELL BURNELL CEREMONY A

Jocelyn Bell Burnell inadvertently discovered pulsars as a graduate student in radio astronomy in Cambridge, opening up a new branch of astrophysics - work recognised by the award of a Nobel Prize to her supervisor.

She has subsequently worked in many roles in many branches of astronomy, working part-time while raising a family. She is now a Visiting Academic in Oxford, Department of Astrophysics. She has been President of the UK's Royal Astronomical Society, in 2008 became the first female President of the Institute of Physics for the UK and Ireland, and in 2014 the first female President of the Royal Society of Edinburgh. She was one of the small group of women scientists that set up the Athena SWAN scheme.

She has received many honours, including a \$3M Breakthrough Prize in 2018.

The public appreciation and understanding of science have always been important to her, and she is much in demand as a speaker and broadcaster. In her spare time, she gardens, listens to choral music and is active in the Quakers. She has co-edited an anthology of poetry with an astronomical theme – 'Dark Matter; Poems of Space'.



HONORARY GRADUAND

PROFESSOR PETER HØJ CEREMONY B

Professor Peter Høj AC has more than 25 years' senior leadership experience in higher education and research and commenced his term as the 24th Vice-Chancellor and President of the University of Adelaide in February 2021.

During his term and under his leadership since 2021, the University has embarked on an historic merger with the University of South Australia to create a new entity – Adelaide University – which will open its doors to students from 1 January 2026. In March 2024, Professor Høj was additionally appointed as co-Vice Chancellor of Adelaide University.

Professor Høj is currently Deputy Chair of the Group of Eight, a coalition of Australia's leading research-intensive universities. He also serves on the Australian Government's University Foreign Interference Taskforce.

He was Vice-Chancellor and President of The University of Queensland (2012 – 2020) and The University of South Australia (2007 – 2012).

Professor Høj is a Fellow of Academies in Australia, the USA and Denmark, and has been awarded honorary doctorates from institutions including the University of Adelaide, University of South Australia, University of Queensland, La Trobe University, and University of Copenhagen.

He was educated at the University of Copenhagen, majoring in biochemistry and chemistry, and has a Master of Science degree in biochemistry and genetics, and a PhD in photosynthesis.

Professor Høj was awarded the Companion of the Order of Australia (AC) in 2019 for "eminent service to higher education and to science, particularly to the commercialisation of research, and to policy development and reform".



GUEST SPEAKER

PROFESSOR JO PRITCHARD, OBE CEREMONY C

Jo undertook her nurse training at the University of Surrey and then specialised in intensive care and then public health nursing. She has worked across most areas of the NHS as a nurse, senior manager and leader.

In 2006, Jo was instrumental in establishing the first employee-owned social enterprise to come out of the NHS in England; she led the not for profit sharing organisation for eleven years.

This paved the way for a national strategy encouraging the development of social businesses and employee ownership. In 2011 Jo was invited by the then Secretary of State for the Cabinet Office to join the Mutuals' Taskforce to create opportunities for employee ownership within the public sector.

Appointed as a Commissioner on the Prime Minister's Nursing and Midwifery Commission in 2010, the following year she was awarded an MBE for services to social enterprise. In 2017 Jo was honoured with the Employee Ownership Association's Philip Baxendale Fellowship award and later that year was made an Honorary Fellow of Social Enterprise UK. She was awarded an OBE in 2021 for services to health and social care.

Jo has a particular interest in nurse leadership, health policy and in supporting social entrepreneurs. She is Chair of the Foundation of Nursing Studies, a Non Executive director at Social Enterprise UK and is a Visiting Professor at the University of Surrey.





A LITTLE HISTORY

NEARLY 60 YEARS OF SURREY DEGREES

The University of Surrey was established on 9 September 1966 with the grant of its Royal Charter, but its roots go back to 1891, when its forerunner Battersea Polytechnic Institute was founded to teach poorer London inhabitants. As its academic reputation grew, the renamed Battersea College of Technology moved to Guildford in the 1960s, where it became a university awarding its own degrees.

Since July 1970, by kind permission of the Dean and Chapter, degree conferment ceremonies have been held in Guildford Cathedral. On these occasions it is used as a secular building.

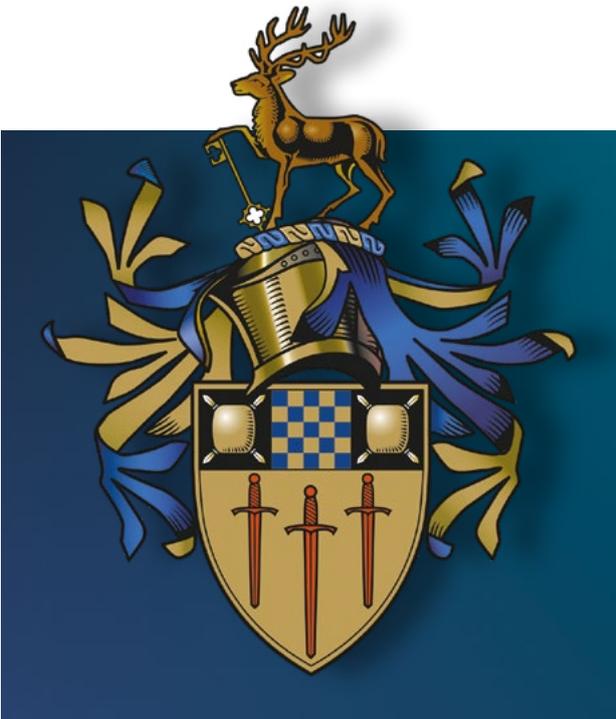


The mace

The University mace was designed and crafted by Desmond Clen Murphy and used ceremonially for the first time at the Installation as Chancellor of the Rt Hon the Lord Robens of Woldingham in 1966.

The mace is made of silver and walnut wood, with the shield of the University coat of arms on its head in colour, and with the shields of the coat of arms of Surrey County Council, Guildford Borough Council and Battersea Polytechnic Institute engraved in silver underneath. The embroidered coat of arms on the mace table, carried out in metallic thread, French knots, applied leathers and various materials, was created by Christine Habib, a former student of the Hampton School of Embroidery.

The mace was presented to Guildford Cathedral for permanent display on 13 July 1997.



The arms of the University of Surrey

The University of Surrey coat of arms commemorates the University's move from London to Guildford. The woolpacks on the shield are taken from the arms of the Borough of Guildford, while the blue and gold chequers and mantling are from the arms of the former Earls of Surrey. The swords, an allusion to the arms of the City of London, are taken from the shield of Battersea Polytechnic.

The blazon of the University's coat of arms, which was granted in 1966, is topped by a stag resting its right leg on an upturned key. The stag denotes the medieval royal hunting park on which our leafy Stag Hill site has been developed, while the key is a heraldic symbol of learning.

The coat of arms is an elegant symbol of our reputation and standing.

ACADEMIC DRESS

Every university has a distinctive set of academic robes for the degrees it awards and special ceremonial robes for the high officers of the university. The blue brocade that features in the hoods of all our robes is unique to Surrey and distinguishes us from other universities.

GRADUATE ROBES

Undergraduate and masters degrees

Graduates wear a black gown and a black cloth mortar board. Hoods are usually fully lined with blue brocade and vary in design depending on whether the award is undergraduate or postgraduate.



Diploma and certificate awards

Diplomates wear a black gown and a black cloth mortar board. Postgraduate hoods are fully lined with blue brocade, with a plain white trim. Undergraduate hoods have a blue brocade and plain white trim.



Doctorate awards

Gowns are in cardinal red with blue brocade on the front facings. The hoods are cardinal red, fully lined with University brocade and have a ribbon trim rebated from the outside edge of the hood. The hat is a black cloth bonnet with red cord and tassels, with the exception of Doctors of Letters, Science and Medicine where the cord and tassels are gold.

The colour of the trim on the hoods denotes the type of degree:

Bachelor and Master of Arts, Doctor of Letters - Red ribbon

Bachelor, Master and Doctor of Education - Green ribbon

Bachelor, Master and Doctor of Engineering - Grey ribbon

Bachelor and Master of Laws - Purple ribbon

Bachelor and Master of Music - White brocade

Bachelor, Master and Doctor of Science - No trim

Bachelor of Veterinary Medicine - Pale yellow ribbon

Master of Business - Ruby ribbon

Master of Chemistry / of Computing / of Mathematics / in Physics / in Science (MSci) - Pale blue ribbon

Example colours



Master and Doctor of Business Administration - Gold ribbon

Master of Fine Arts - Strawberry ribbon

Master of Research - Apricot ribbon

Master of Philosophy - Blue brocade lining extending to the outside edge of the hood

Doctor of Clinical Practice - Turquoise ribbon

Doctor of Medicine - Burnt orange ribbon

Doctor of Philosophy - No ribbon trim

Doctor of Psychology - Pale blue ribbon trim rebated from the outside edge of the hood.



Ede & Ravenscroft

Est. 1689

Ede & Ravenscroft © are the University's official gown suppliers.

HIGH OFFICER ROBES

The robes of the high officers have different designs and varying amounts of gold ornamentation.

Chancellor, Pro-Chancellors and Treasurer

Robe of blue brocade edged with gold lace around the facings and on the hem, with various amounts of additional ornamentation. The hat is a black velvet mortar board with a gold button and tassel.



Chancellor



Pro-Chancellors



Treasurer



President and Vice-Chancellor

Robe of black silk ottoman with blue brocade trim on the facings and some gold ornamentation. The hat is a black velvet mortar board with a black button and tassel.



Chief Operating Officer

Robe of black silk ottoman with blue brocade trim on the facings. The hat is a black velvet mortar board with a black button and tassel.



Chair of Council

Robe of black silk ottoman with bell-shaped sleeves edged with gold oak leaf lace, ornamented by a short gold cord with a gold button. The hat is a black velvet mortar board with a gold button and black tassel.



Mace-bearer

Gown of black cloth with shoulder wings and sleeves edged with blue brocade. The hat is a black cloth bonnet with a blue cord and tassel.

ORDER OF PROCEEDINGS

PROGRAMME OF CEREMONIES FOR THE FACULTY OF ENGINEERING AND PHYSICAL SCIENCES

Wednesday 30 April 2025

Ceremony A – 10am

Presiding Officer:

Pro-Chancellor, Dr Jim Glover

President & Vice-Chancellor:

Professor Max Lu

Honorary Graduand:

Dame Susan Jocelyn Bell Burnell

Graduate Speaker

Dr Joanna Sakowska

Orator: Alan Sutherland

Ceremony B – 12:30pm

Presiding Officer:

Chancellor, HRH The Duke of Kent

President & Vice-Chancellor:

Professor Max Lu

Honorary Graduand:

Professor Peter Høj

Graduate Speaker:

Dr Moira Shooter

Orator: Alan Sutherland

Ceremony C – 3:30pm

Presiding Officer:

Pro-Chancellor, Dr Jim Glover

Provost & Senior Vice-President:

Professor Tim Dunne

Guest Speaker:

Professor Jo Pritchard, OBE

Graduate Speaker: Claire Cook

Orator: Alan Sutherland

Pro-Vice-Chancellor and

Executive Dean: Professor Bob Nichol

The processions

Fanfare

The processions will enter in the following order:

- ▶ Academic staff of the University and members of the Senate
- ▶ Heads of Schools / Departments or representatives
- ▶ Members of Executive Board
- ▶ Lay Members of Council
- ▶ Orator
- ▶ Honorary Graduand / Guest speaker

Guildford Cathedral procession

Mace
Residentiary Canon of Guildford Cathedral
Chaplains

High officers

- ▶ Pro-Vice-Chancellor, Executive Dean of Faculty or representative
- ▶ Vice-Presidents
- ▶ Pro-Vice-Chancellors
- ▶ Chief Operating Officer
- ▶ Provost and Senior Vice-President
- ▶ President and Vice-Chancellor
- ▶ Treasurer
- ▶ Chairman of Council
- ▶ Pro-Chancellor(s)

The Presiding Officer

Mace
Presiding Officer

*Please do not leave your seat during the ceremony.
Please also switch mobile phones to silent.*



THE CEREMONY

Welcome from a Residuary Canon of Guildford Cathedral

Welcome from the President and Vice Chancellor or the Provost and Senior Vice-President

The President and Vice-Chancellor or the Provost and Senior Vice-President of the University will welcome the Congregation.

Presentation of awards and prizes and conferment of Higher Degrees by the Pro-Chancellor or Chancellor (Ceremony B)

The President and Vice-Chancellor or the Provost and Senior Vice-President will call upon the Orator to proceed with the presentation to the Pro-Chancellor or Chancellor of candidates for the presentation of awards, prizes and the conferment of higher degrees of the University.

Conferment of honorary degree (Ceremony A and B)

The Orator will initiate the presentation to the Pro-Chancellor or Chancellor of the candidate for the Degree of Doctor of the University. Following the presentation the recipient will address the congregation.

Guest speaker presentation (Ceremony C)

The Orator will invite the guest speaker to address the congregation.

Presentation of awards and prizes and conferment of Higher Degrees by the Pro-Chancellor or Chancellor (Ceremony B)

The Orator will continue with the presentation to the Pro-Chancellor or Chancellor of candidates for the presentation of awards and prizes and conferment of higher degrees of the University.

Conclusion of proceedings

Graduate speech

The Orator will invite a graduate at this ceremony to address the congregation.

Address to the congregation

The Pro-Chancellor or Chancellor will address the congregation and declare the ceremony ended.

Recessional

The congregation will stand. The Pro-Chancellor or Chancellor will recess followed by the processions in reverse order, followed by the new graduates.

PROGRAMME OF MUSIC

ORGAN MUSIC

Wednesday 30 April – 10am Ceremony and 3:30pm Ceremony

Katherine Dienes-Williams

Organist and Master of Choristers,
Guildford Cathedral

Music to include:

Prelude and Fugue in G major BWV 541 -
Johann Sebastian Bach

Prelude and Fugue in D major - Dietrich Buxtehude

Prelude, Fugue and Ciacona in C major -
Dietrich Buxtehude

Prelude and Fugue in E major - Vincent Lübeck

Processional

Intrada - Grayston Ives

Recessional

Final, from Symphonie 1 – Louis Vierne

Wednesday 30 April 12:30pm Ceremony

Katherine Dienes-Williams

Organist and Master of Choristers,
Guildford Cathedral

Music to include:

Prelude and Fugue in A major BWV 536 -
Johann Sebastian Bach

Prelude and Fugue in E flat major BWV 552 -
Johann Sebastian Bach

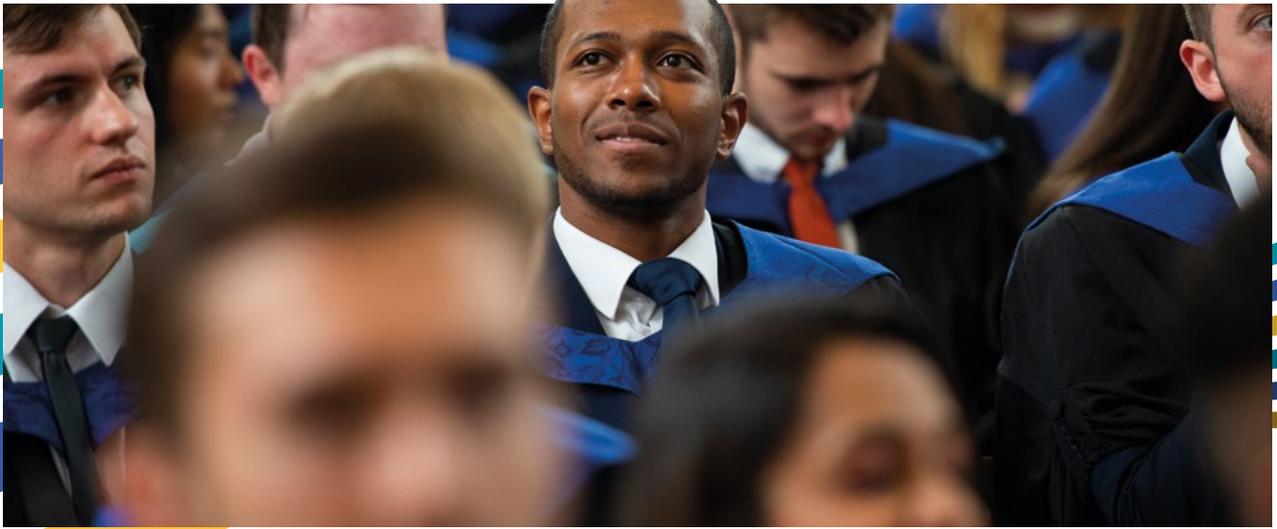
Pièce d'orgue BWV 572 - Johann Sebastian Bach

Processional

Processional march - Harold Nutt

Recessional

Final from Symphonie no. 2 - Charles Marie Widor



YOU ARE FOREVER SURREY

CONGRATULATIONS ON BECOMING A SURREY GRADUATE

Graduation is a proud day for you, your family and your friends, and a chance to celebrate all that you have achieved throughout your time at Surrey.

You might be feeling like your Surrey experience is coming to an end, but the exciting news is that you've just joined an amazing global community of 148,000 graduates from 185 countries. What unites you all is that Surrey will always be part of your story.

There's real energy, momentum and ambition to Surrey, and we're proud of the way our graduates are making a difference to our world in so many different ways.

Please stay in touch as you embark on the next chapter of your lives and remember you are 'Forever Surrey'. We look forward to welcoming you in our graduation marquee to continue the festivities.



CHIAMAKA CHUDE
MSC DATA SCIENCE, CLASS OF 2024

"Alumni mentoring has given me the confidence to pursue my goals, and I look forward to giving back in the same way to future students once I become an alumna."

Join us on social media and share your special day with us and fellow graduates by using the hashtag **#ForeverSurrey**.



Forever Surrey



surreyalumni



surreyalumni



Keep in touch

Make sure you make the most of your graduate benefits by sharing your contact details with us. You can do this easily online at: surrey.ac.uk/keepintouch. Please note, your University of Surrey email account will close three months after completing your studies, so let us know an alternative email address to ensure we can keep in touch.

Your graduate benefits include:

- ▶ Access to careers resources and support
- ▶ Invitations to alumni social and networking events
- ▶ Library membership
- ▶ Discounts on Surrey Sports Park membership
- ▶ Discounts across a number of high street stores

Discover more about the benefits available to you by visiting:
surrey.ac.uk/alumni

SURREY CONNECTS

The place for alumni
and student networking
and mentoring



Join SurreyConnects – Your Graduate Network

SurreyConnects is your online alumni networking platform. Getting involved enables you to keep in touch with classmates, network with other Surrey graduates, share opportunities and offer your advice or mentorship to current students as you progress in your career. It's the perfect way to keep up to date with alumni events and opportunities available to you, whilst growing your network and developing your mentoring skills.

It's simple to sign up. Visit surreyconnects.co.uk and register with your personal email address or LinkedIn account, create your alumni profile and tell us about your interests, then get networking online!

We look forward to welcoming you at:

www.surreyconnects.co.uk

Faculty of Engineering and Physical Sciences AWARDS

Postgraduate Certificate in Artificial Intelligence

Romitkumar Bharatkumar PRAJAPATI
Bandini RAGHAV

Postgraduate Certificate in Bridge Engineering

Michael John Kieran COSTELLOE
Qikun ZHANG

Postgraduate Certificate in Civil Engineering

Giacomo BUTTE
Tarun RAVICHANDRAN

Postgraduate Certificate in Computer Vision, Robotics and Machine Learning

Moraitis LAOURAKIS
Omkar Rajendra NARANGIKAR

Postgraduate Certificate in Data Science

Niruban ANANTHAN
Oritseweyimi Onyinyechukwu EYEOYIBO
Alexandru MORARIU
Roshni THAPA

Postgraduate Certificate in Data Science with Professional Postgraduate Year

Benjamin Lewis BAXTER

Postgraduate Certificate in Electronic Engineering

Akhil RAJAN
Harshitha VEERANNA

Postgraduate Certificate in Environment and Sustainability

Lakshmanan ARUMUGAM

Postgraduate Certificate in Infrastructure Engineering and Management

Nikolaos PAPAGIANNAKIS

Postgraduate Certificate in Physics

Frazer Oliver ELY
Callum Rory STENNETT

Postgraduate Certificate in Space Engineering

Oscar Leonardo FLORES
Shakthi JEYAKRISHNAN
Ajith Virat SRIDHARA NARASIMHAN
Kodanda Naga Sai Rama Raju YENUGUDHATI

Postgraduate Certificate in Structural Engineering

Ethan Emmanuel JONES
Barry John MCAULIFFE

Postgraduate Diploma in 5G and Future Generation Communication Systems

Norhafazah Binti ABDUL RASHID
Brijesh Arvindbhai ACHARYA
Rushikesh Mahendra JADHAV

Postgraduate Diploma in Artificial Intelligence

Karim Hesham Ahmed Khalil BADAWY
Kanwaljeetsingh Mangalsingh DHALIWAL
Ugochukwu Chizoba EZE

Postgraduate Diploma in Civil Engineering

Matthew DEVOTO
Ignacio MALPICA CAMPOS

Postgraduate Diploma in Communications Networks and Software

Uddhav Ashokbhai KHENI

Postgraduate Diploma in Computer Vision, Robotics and Machine Learning

Haider ABBAS
Ahmed ABUBAKAR
Chirayu Chandrakant DARJI
Mahibalan MOORTHY
Avinash RAI
Yangyang ZHU

Postgraduate Diploma in Corporate Environmental Management

Joshua Ikechi CHIMAEZE
RABEEKA

Postgraduate Diploma in Data Science

Shanthi DHANARAJ
Vishnu GOPALAKRISHNAN
Emmanuel Oluwafemi OLANLOYE

Postgraduate Diploma in Data Science with Professional Postgraduate Year

Sandeep Kumar CHINTHAKUNTA
Rajeshwari SADASHIVA MANJULA

Postgraduate Diploma in Electronic Engineering

Ali Mahdi Salih ALABODA
Odai Nidal Odai ALBASHA
Jaspreet KAUR
Tejas Janardan RANE
Ziqiu WANG
Kenny ZHANG

Postgraduate Diploma in Environmental Strategy

JATINDERJOT

Faculty of Engineering and Physical Sciences AWARDS

Postgraduate Diploma in Information Security

Shaïd Hussain ABITH HUSSAIN
Abdullah Nasser M ALRASHED
Li-Kai WU
Zhengyang ZHANG

Postgraduate Diploma in Infrastructure Engineering and Management

Mohammed IMADUDDIN

Postgraduate Diploma in Physics

Nikolaos KYPRI

Postgraduate Diploma in Renewable Energy Systems Engineering

Parivallal RAJENDRAN
Raj Manojbhai THAKAR

Postgraduate Diploma in Space Engineering

Abdelmadjid BELAID
Lakshya MADAN
Amrutha SASANKAN PILLAI

Postgraduate Diploma in Sustainable Development

Tejasvi Sharad PATIL

Master of Science in 5G and Future Generation Communication Systems

Mona AKBARI KOHNEHSARI
Jin DAI
Divakar KESAVAN
Bisweswor KHAREL
Alexander Paul SPONG
Michael Philip YOUNG

Master of Science in Advanced Geotechnical Engineering

James CASHEN
Cynthia CARON
John James GALLAGHER
Sujita GNANARAJ
Haseeb MALIK
Job MTETWA
Ayofe Afisu MURANA
Derrick Kemoi NAKTARI
Lucas Dan NUNEZ
Bandana PALIT
Roberto RODRIGUEZ GARCIA
Vanditha VISWESWARAIAH
Michael Maina WAIGANJO

Master of Science in Artificial Intelligence

Roza Dier ABDALLA
Bilend Mohammed ABDULLAH
Abdulrahman ALAYED
Teef ALFADHLI
Rahaf ALKHADRA
Mohammed ALOMIRI
Mai S Th ALOTAIBI

Hadeel ALSADOUN	Rishabh JHA
Nuha Basem E ALSHAMMARI	Nandini KARIYIL VEETIL
Pavlos AQUINO-ELLUL	Anuroop KESHAV
Punithavalli ASWINKUMAR	Mohamed Haris KHAJA MAINUDEEN
Mahrukh AWAN	Kar Sim KHOR
Taman Ashok BACHANI	Rohit KRISHNAN
Abdul Hanan BANDAY	Rajnish KUMAR
Atharva BHISHMA	Kitso Alicia KUSANE
Sooraj BIJU	Swedel LASRADO
Claude Alexander BOUCHER	Ingi LEE
Mabela BUDLLA	Yifei LI
Azhageswari CHINNASAMY	Zongxing LI
Leonardo Sousa DA SILVA	Muhammad Farhan LODHI
Thamonwan DAENGKHAM	Jian He LOW
Yusra DAHIR	James Richard Harrison MANDY
Antoine Lucas Grégoire EDY	Jeevanantham MANISEKARAN
Md Abrar FAHIM	Andrew MCGRATH
Sharvari Maheshwar GAITONDE	Mehdi MEHDIYEV
Bruce Kevin GALI LOUIS	Seyederfan MIRHOSSEINI
Hannah GHANEI	Raqeeb MOHAMAD RAFEEK
Noah John GIBBONS	Aptha Sara MOHAN
Christina HADJIZORZI	Sebastian Dan MOMIR
Sneha HANUMANTHAI AH	Kaewvimol MOOKSOMBAT
Syed Wamiq Ahmed HASHMI	Jake Gitika MWANGI-POWELL
Zayar HEIN	Elena MYLONA
Chizitara Chiduora IGWE	Moiz Saifuddin NAGARIA
Rakshita Kumar IYER	Ashutosh NAIK
Mahmoud JABR	Lee OBRIEN
Haris JAFAR	Hadir Osama A ORKOUBY
Saad JAFAR	Keith Arogo OWINO
Pratheek JAGADEESH HIREMATH	Anurag Sudhir PATIL
Shreyas JAGANNATH	Munalisa PAUL
Alisha Bharathi JAITU	Yasar Efe PEKGOZ
Athul JAYAKUMAR	Nadeeja Kumari Pirisyala PIRISYALA APPUHAMILAGE

Faculty of Engineering and Physical Sciences

AWARDS

Pearlyn Elizabeth PRINCE AMALADAS
 Robby RAFKY
 Saksham Ashwini RAI
 Anish Nagin RATHOD
 Averi RAY
 Tharun SAKEY RAVI
 Uthara SARACHANDRAN
 Naman SAXENA
 Nehha SEETHARAMAN
 Taneya SHARMA
 Rutwik SHETE
 Karthik SHIVAKUMAR
 Oluwatola Jesse SHOBANDE
 David James SLAUGHTER
 Sathya Jothi SRI PRABU VENKATRAMAN
 Wish SUHARITDAMRONG
 Isak Ahmed SULEYMAN
 Hong Zhe TAI
 Venkatesh TATA
 Siva Sai Aditya TATINENI
 Chaitat UTINTU
 Advait VELLANKI
 Sanchit VERMA
 Joanna VINES
 Michael Alexander Bertram WHITE
 Yanwen XIE
 Bei XU
 Abdullah ZAHID

Master of Science in Bridge Engineering

Robin CHIA
 Kieran DUGGAN
 Mohaimen IBN SHAWKAT

Mehdi JAFARI
 Durga Srinivas KANITI
 Noagbedaa Kofi Divine KEHODU
 Michail MANTZIARAS
 Samira MARDANEH
 Ahmed NAFIU
 Ivis PÉREZ VALDÉS

Master of Science in Civil Engineering

Saterah Stephanie ACHAM
 Narjes K M A ALFADLI
 Ahmet Furkan ARSLAN
 Caroline BLACKNEY
 Zeming CHEN
 Final Kemiaka EZEMS-AMADI
 Adetokunbo Olusola LASEBIKAN
 Alistair MAIDMAN
 Herbert ORYEM

Master of Science in Communications Networks and Software

Almas Fathima FATHIMA
 Xiangru LYU

Master of Science in Computer Vision, Robotics and Machine Learning

Zeyad Mahmoud Nagy Elsayed ABDELMONEM
 Zohra BOUCHAMAOU
 Neelkanth Ritaben DAVE
 Tapas Kumar DUTTA
 Muhammad Umar FAROOQ
 Farideh FEREYDOUNI

Subhadeep GHOSH
 Sophia HERRINGTON
 Cem ILGIN
 Sajedah JAFARI
 Katherine JIMMY
 Priyanka Jay Krushna KAMILA
 Jad Abdulhameed O KUTBI
 Emmanuel Oghenetega OROGUN
 Manish PANDA
 Shrinit Sanjiv PATIL
 Mahabaleshwar POORVITA
 Shashwat PRATIK
 Nandhu Kishore PUSHPARAJ
 Abdullah SALEEM
 Muhammad Hamza SHARIQ
 Artem SOKOLOV
 Imran Ahmed SYED
 Gaurang Pravin TARI
 Mohamed Faheem THANVEER
 Jack Anthony VASEY
 Vilma Mathilda WILKE
 Can Ali YARMAN
 Yuqi ZHU

Master of Science in Corporate Environmental Management

Akita BANSAL
 Lauren Jennifer BUCKLEY
 Sonia CHOUDHARY
 Elsa Efua Henrietta GIBSON
 Lisa Jane HILL-JOWETT
 Sagarkumar Dilipbhai KACHHADIYA
 Adele KELLY

Jeh LEKHI
 Aidan LUEBCKE
 Ebere Vincent OKEKE
 Goodluck Yemaechi OKOGBULE
 Chioma Cynthia ORANIKA
 Musiliu Olaitan SALAMI
 Munir Bashir Bashir YUGUDA

Master of Science in Data Science

Yassine ABDALLAS
 Abdubosit AKHMEDJANOV
 Kamran ALI
 Hari Prasad AMIRTHAKATESAN
 Mithra ANAND
 Krishnachaitanya ANNEPU
 Navin Chandra ARYA
 Wilson Thomas AYYAPPAN
 Hasan Saleem BAJWA
 Saranya BALRAJ
 Suhas Trimbak BARAPATRE
 Akhil BHARDWAJ
 Pallav Kumar BHARDWAJ
 Ajinkya Chandrakant BHUSE
 Kushal Kumar BIDRE VENKATESHA
 Finlay CAMPBELL-BRADY
 Alan CHAMATHIL
 Chi Chun Matthew CHAN
 Sayonesh CHATTERJEE
 Miao CHEN
 Vasanth Kumar CHIKKANAN
 Shubham CHOUDHARY
 Chiamaka Amy CHUDE
 Dhruv Ramesh DEDHIA

Faculty of Engineering and Physical Sciences

AWARDS

Jeganathan DURAISAMY

Atul DURGAPAL

Saniya FATHIMA

Darakhshan FAZAIL

Abhishek Jayvant GADEKAR

Sina GHASEMIZADEH

Rita Christiana GODFREY

Clare GORTON

George GRIFFITHS

Prashima GURUNG

Thameem HARIS

Sirisha HOMANNA SHIVALINGAPPA

Venkat Sandeep IMANDI

Diana Margaret ISAAC

Heramb Santosh JADHAV

Amulya Gowri JAGADEESH

Sheetal JAGADISH

Rishi Rajkumar JAWAHAR

Sharath Kumar JOGI RAVINDRA

Sarumathe KAMALASEKAR

Christina Joseph KAMBLE

Shubham KANDPAL

Jawid KHALID ZADA

Royal KHAN

Prajakta Prakash KOKARE

Govind KONNANAT

Sanjana KRISHNAMURTHY

Tejas KRISHNAMURTHY

Hiu Long LEUNG

Chun Ting Edwin LO

Abinaya Kiruthika LOGANATHAN

Valerie June LOKA

Kazi Andelib MAMUN

Revanth MANJALI

Anaswara MANOJ

Luke John MENEZES

Rayan MERAGHNI

Raj Vinod MISTRY

Lahari MULLAGURU

Nikhil MURMU

Ayesha NADEEM

Harsh NAIR

Massimiliano NARDONE

NISHI

Per Christian Eduardo OCKLIND

Karthik PAI KOTA

Ratan Rana PALEKA SHEEBA

Ana Lucia PANIAGUA CRUZ

Seth Allen PANNIFER

Abhijeet Kshirod PARHI

Saiteja PARISENENI

Mittal Gopal PATEL

Ajinkya Sanjay PAWAR

Christos Michael POLITIS

Kruti PRAJAPAT

Lyuja QIAN

Deveash Shrikantbhai RAI

Romil RAJ ROY

Anisha RAJESH

Nimisha RAJESH

Vaishakh RAJU VK

Naima RASHID

Varsha RAVI

Harish Kumar RAVIKUMAR

Arun Kumar ROY

Pratyush Kumar SAHU

Durgesh SASIKUMAR KAVITHA

Fereniki SAVVA

Aditya Narayan SAWANT
 Meet Bhaveshkumar SHAH
 Bharat SHARMA
 Aditya SINGH
 Akash Shatrughan SINGH
 Mohit SINGH
 Nischay SINGH
 Shivam Mukesh SINGH
 Simran SINGH
 Petar STANIC
 Pranava Kailash SUBRAMANIAM PREMA
 Habiba SULTANA
 Gokul SURESH
 Nayana SURESH
 Chinmayee TANDON
 Manan TANEJA
 Usman TARIQ
 Rahul THINDLU NARAYANASWAMY
 Irmak TURAL
 Sabina UPADHYAY MARAHATTA
 Sruthi Lakshmi VADAKKAPURATHU REGHU
 Divyanjali VALLAPU REDDY
 Harshita WARDHAN
 Axelle Marie-Aimée YHAYE MELUSE
 Raed Iftekhar ZAMIR

Master of Science in Data Science with Professional Postgraduate Year

Shaikh Rezwan Rafid AHMAD
 David Oluwanifemi AMUSAN
 Siu Shing KWONG
 Venkatesh NAGASUBRAMANIAN
 Gururaj NIMBALKAR
 Akshaykumar Laxman PUJARI

Ramandeep SINGH
 Hrishab SURANA
 Aravind VIVEKANANDAN

Master of Science in Electronic Engineering

Hanieh AHMADI
 David Durotimi BUARI
 Inthuyan DEVNATH
 Louay EL ZOUHEIRI
 Afshan FARHEEN
 Siddhesh Santosh GADAKH
 Zeyu GAO
 Darryl Sam GRAS
 Huseyin KEMERCI
 Anju MANJU BABU
 Thokozani MUHONE
 Rashmi Naresh NAGRANI
 The Dung NGUYEN
 Wan-Yin QIU
 Yunxiao RONG
 Ahsan Mushtaq SIAL
 Daniel VENN
 Di WU

Master of Science in Electronic Engineering (Euro-Masters)

Aishwarya RAMACHANDRA

Master of Science in Electronic Engineering with Professional Postgraduate Year

Ashitha TOMY

Faculty of Engineering and Physical Sciences AWARDS

Master of Science in Environmental Strategy

Emily Jane BARGENT
Olajumoke Boluwatife FANIYI
Siddhant Mahesh GUJRATHI
Robert Charles HITCHCOCK
Cameron MELDRUM
Jessica MUSCAT
Parth PARDESHI

Taiwo Olaoluwa LUGBE
Janeeswar MALAR KANNAN
Anusha MUNIRAJU
William Oliver NICHOLLS
Chiemezie Charles OSUJI
Kyriacos PANAS
Andrew Keneth Anthony PAPASTEFANOU
Aaman Vishal RAJU
Mohith SANGARAJU
Karolina Natalia SZARO
Siyu TANG
Shalem Raj ZACHARIAH

Master of Science in Financial Data Science

Danyal KHATTAK
Tanmay KOTHIWAL
Surafel TARIKU

Master of Science in Information Security with Professional Postgraduate Year

Abdul AZIZ
Yuan-Sung CHEN
Zaib KHAN

Master of Science in Information and Process Systems Engineering

Léa Alice Janine PIERRAT

Master of Science in Information Security

Rabia Falke ABUBAKAR
Hardik AHUJA
Abdulaziz Torki A ALMOLAIFI
Raj Chetan BHEDA
Ismail BICHARA
Alexander Joseph BOYD
Leon DOWNEY
Tiranan EMSON
Arul GUPTA
Kristiana Marinova IVANOVA
Sharadha JAYAPRAKASH RAJESWARI
Zixuan LIN

Master of Science in Infrastructure Engineering and Management

Shittu Alamu ADEWALE
Nelson Chinaemerem CHRISTIAN
Ahmad Ali GARBA
Vedna Devi GOPAL
Keith Tinashe JIRI
Mark KARIUKI
Shadrach Dodzi NYAMADI
Benjamin Ojo ORITOGUN
Shraddha Vishal PATEL

Master of Science in Mathematics

Alina BUDNYUK
 Rebecca LOVELL
 Rory Edward Cobb MACINTYRE
 Lewis SAVILLE
 Timothy George STEVENS

Master of Science in Medical Physics

Alya Naser Saif Salim AL SIYABI
 Ohoud Sh M A ALENEZI
 Waleed Ghassab A ALMUTAIRI
 Kirsten Karen Ann BUNIAK
 Yi-Ting CHANG
 Fivia CHARALAMPOUS
 Aloma Perpetual D SILVA
 Faezeh EHSANIRAD
 Bethany Charlotte GRIPTON
 Afxentia KAROUSIOU
 Marwah KAYAL
 Biji KORAMBATHU PARAMBIL BABU
 Sanjana KULAPPURATH
 Andrew James LUMB
 Megan Grace MARRS
 Caoimhe MEE
 Anandhu PRASANNA KUMAR
 Derrick Kwabena QUANSAH
 Dexter Glynn SCOTT
 Athina STRATI
 Anandhu SUBRAHMANYAN
 Bethun SUNIL
 Karthika THACHERIPARAMBIL HARIPRASAD
 Daya UDAYAN
 Adwaita VIMAL
 Elham ZIRAKSHARKESH

Master of Science in Nanotechnology and Renewable Energy

Manish MANJUNATH
 Priyesh SHUKLA
 Antony John WOODGATE

Master of Science in Nuclear Science and Applications

Abia Susan KURIEN
 Fazil SEHAL
 Joshua SHARPE
 Megha SILIKUMAR

Master of Science in Petroleum Refining Systems Engineering

Salah Mailoud Jadallah ALMUSMARY
 Reece Langton RILEY
 Nasra Yussuf SALAD
 Aparna SHAJI

Master of Science in Pharmaceutical Sciences

Afroos Shahana MANNAMBATH
 Mitali Jitendra METHA
 Amna MOHAMED JAFFAR MOHAMED
 Apurva Tatya MORE
 Shaheen Banu PATHAN
 Rubeena SALIM
 Nivetha SHANMUGAM
 Sinchana Ramesh SHETTY
 Ankit SUHAG
 Arya SURESH
 Arshida Sherin VETTAN
 Imane ZANANE

Faculty of Engineering and Physical Sciences **AWARDS**

Master of Science in Physics

Revathi BHUKYA
Jasmine GHAMSARI
Jasu Danand KUMAR
Samuel Christopher ROWAN
Jack SMITH
Samuel Michael Nicholas SULLIVAN

Master of Science in Process Systems Engineering

Veera Venkata Narendra Reddy ABBIREDDY
Elia BETTI
Nikhil GURUNG
Imran Ibrahim HASSAN
Roman KONDRATEV
Ajiroghene Leonard OBUAREGHE

Master of Science in Renewable Energy Systems Engineering

Akindede Laniran AKINTOLA
Zeiad Ashraf Mohamed Hussein ALLAM
Aldrin Davis CHAKKALAPARAMBIL ANTONY
Adhish CHALISE
Celine Ling CHEN
Nazeefah Uzma EDOO
Edvin Mosses ESSOUDASSOU
FARIS ABDUL LATHIEF
Gul HAMEED
Isaac HARRISON
Uduak Onofiok LUKE
Temiloluwa Oluwatomisin OMOJOLA
Mohammed Farhan PARAKKAL
Muhammad Sibghat Ullah Najam SIDDIQUI

Tarun SREELAN
Qurrat UL AIN

Master of Science in Satellite Communications Engineering

Al Munther Mohammed Saif AL RAWAHI
Nishant CHOUDHARY
Aiden GAIZLEY
Muskan KHEMKA
Ramees NAJEEB
Shalini SINGH

Master of Science in Space Engineering

Ammar Salim Hamed AL BADI
Athira ANANDAKUMAR NAIR
Steven John Philip BOWELL
Jorge Antonio CHAVARIN MONTOYA
Michelle Jia Yi CHIA
Rebecca DAVISON
Lucilla DEIBIANCHI
Gerardo Armando DIAZ PICHE
Kristian Nikolov IVANOV
Alexander Lewis JACOBS
Joshua Daniel Peter JAMES
Kais MAHMOOD
Evangelos MICHAILIDIS
David MOLLOY
Paul Ushe MUCHATUTA
Matthew Thomas Michael NEILSON
Raif Alexander OSOSKI
Rodrigo OTERO BOZZANO
Niharika PATTABHI
Vincent PETERS

Kevin RAMAI
 Robert RUSEV
 Charis SAKELLARIOU
 Konstantinos Georgios SCHOINAS
 Bhavdeep Rohan SINGH
 Leif Joseph Madgwick TINWELL
 Kaden TRUEMAN
 Filipe Martim VIEIRA MORAITIS
 Thomas WEST
 Ellyas WHITEAR
 He XIAOLONG

Master of Science in Structural Engineering

George Oluwatimilehin BANKOLE
 Abubakar Samaila GONI
 Johny HANNA (posthumous)
 Mohammed Mekail HASSAN
 Mustafa JARMAN
 Shun Miu LEUNG
 Richard MADDEN
 Ruth Olufunmilayo OYELOWO
 Thiruchsenthran RASIAH
 Tetteh-Kojo SALANDY

Master of Science in Sustainable Development

Matthew AIKIN
 Catarina BANDEIRA MORAIS
 Shivangi CHAWLA
 Ifeoma Chinecherem CHUKS-ODO
 Matthew CLOUTER
 Love Uyoyou DAVID
 Jigarkumar Gunvantbhai DHABALIA

Gowtham DHANABALAN
 Neha ELIZABETH KURIAN
 Antonio Luis GO
 Jalaj HANDA
 Anuja Isuruwan JAYANANDA
 Parisa KAMKARFAR
 Muhammad Umar LATIF
 Archanaa MANIVANNAN
 Elliot MARTIN
 Ella Grace MILNER
 Paschal Chigozie OJIAKU
 Yash RAMWANI
 Jane Elizabeth REEVES
 Anna SANDALTZOPOULOU
 Vishwesh Vithoo SARDESSAI
 Cemsu SENYURT
 Kristian SHINER
 Mahesh Sitaram TALAWDEKAR
 Punnia VISWAN

Master of Science in Water and Environmental Engineering

Oana ARDELEANU
 Pascal DUKUZUMUHOZA BIMENYIMANA
 Ruth Zoe LESLIE
 Ravan MAMMADOV
 Rahil MOHAMMADIZADEH
 Sara NASERI KARIMVAND
 Norin PICH
 Myffanwy Ellen ROLLS
 Devanshi THANVI
 Md Akter Uz ZAMAN

Faculty of Engineering and Physical Sciences AWARDS

RESEARCH DEGREES

Chemistry and Chemical Engineering Doctor of Philosophy

For a thesis entitled: Scalable Designer Carbons for Application in Improved Lithium-Sulfur Batteries
Luke BARTER

For a thesis entitled: Development of a NanoBRET Screening Assay for Buruli Ulcer Drug Leads with a Novel Mode of Action
Isobel BEARD

For a thesis entitled: Mechanistic analysis of deforming granular materials
Domenica BRAILE

For a thesis entitled: Continued review and assessment of Time of Flight Secondary Ion Mass Spectrometry for latent fingerprint recovery
Deborah Treharne CHARLTON

For a thesis entitled: Synthesis and polymerization of a novel TARO monomer
Kyle COLLINS

For a thesis entitled: In Silico modelling of Evaporation: Implications for Dermal Absorption and Permeability
Benjamin DEACON

For a thesis entitled: Multi-scale Investigation on UV-induced DNA Damage and Repair
Roisin Monica Teresa GUTHRIE

For a thesis entitled: Design and Optimization of a Fluidised Bed Concentrated Solar Power System using Computational Fluid Dynamics Simulations
Mustapha HAMDAN

For a thesis entitled: Trace Elements in Natural Water: The Impact on Quality, Food Preparation and Production
Maisarah Binti JAAFAR

For a thesis entitled: Development of novel sustainable processing control strategies for monitoring bacterial pathogens
Melina Evangelia KITSIOU

For a thesis entitled: Development of co-doped apatite-type lanthanum silicate and ceria-based electrolytes for intermediate-temperature solid oxide fuel cells and electrolysis
Jing LI

For a thesis entitled: Chemical Safety Through the Lens of Omics: Machine Learning Approaches for Pathway Analysis and Predictive Modelling
Yufan LIU

For a thesis entitled: Non-invasive monitoring of therapeutics using finger sweat analysis
Katherine Alice LONGMAN

For a thesis entitled: Measuring powder flow at low stresses
Azza Aly Mohamed MAHMOUD

For a thesis entitled: Evaluation of ambient ionisation mass spectrometry
Simone Caroline MATHIAS

For a thesis entitled: Switchable Dual-Function Materials: A New Generation of CO₂ Capture-Conversion
Loukia-Pantzechroula MERKOURI

For a thesis entitled: Computational Study on the Growth and Reactivity of Hexagonal Boron Nitride
Anthony John Ramsay PAYNE

For a thesis entitled: Tracking Plastic Particles and Tributyltin in Marine Invertebrates
Jason Alexander RAYMOND

For a thesis entitled: Prediction and Experimental Validation of the Char Yield of Crosslinked Polybenzoxazines
Maryam SAIRI

For a thesis entitled: Development of microbial self-powered biosensor for water quality monitoring
Anna SALVIAN

For a thesis entitled: Synthesis and Reactivity of Aluminium Complexes Featuring Lutidine-Based Pincer Ligands

Chloe Louise SHAVES

For a thesis entitled: Computational Modelling of Solvent Effects in Formulations on Skin Permeation

Lindamulage
Samadhi Ruwanara SILVA

For a thesis entitled: Synthesis of Novel Thioester Functional Copolymers And their Degradation Studies

Qamar UN NISA

For a thesis entitled: Boc Solid-Phase Synthesis of Conjugable Cyclic Depsipeptide Cotransin for Use as a Biological Probe

Thomas WARREN

For a thesis entitled: Degradation of an Emerging Pharmaceutical Contaminant (Paracetamol) under Single- and Dual-Frequency Ultrasound

Mehrdad ZARE

COMPUTER SCIENCE AND ELECTRONIC ENGINEERING

Master of Philosophy

For a thesis entitled: Self-Supervised 3D Reconstruction of General Complex Dynamic Scenes

Mertalp ÖCAL

Doctor of Philosophy

For a thesis entitled: The Derivation and Analysis of the Fundamental Capacity Limits of Reconfigurable Intelligent Surface (RIS)-aided MIMO Communications

Marjan ABBASI MOSLEH

For a thesis entitled: Internet Island: Architectures and Algorithms for Self-Managed IoT in Developing Regions

Abdullahi Kutiriko ABUBAKAR

For a thesis entitled: Frame Synchronisation for Multi-Source Holographic Teleportation Applications

Sweta Venkatrao ANMULWAR

For a thesis entitled: The Potential Use of Hydrological Neutron Sensor Networks for Space Weather Monitoring

Fraser BAIRD

For a thesis entitled: Space debris state estimation onboard a chaser spacecraft

Thomas BARBIER

For a thesis entitled: Audio-Visual Detection and Localisation of Speech and Sound Events

Davide BERGHI

For a thesis entitled: Guidance, navigation and control for autonomous spacecraft based on convex optimization techniques

Nicolò BERNARDINI

For a thesis entitled: Visual Content Provenance and Change Summarisation

Alexander BLACK

For a thesis entitled: A Practical and Mechanisable Framework for Comprehensive Trackability Analysis Trackability in Protocol Executions

Ksenia BUDYKHO

For a thesis entitled: Scene Trilogy: On Scene Sketches and its Relationship with Text and Photo

Pinaki Nath CHOWDHURY

For a thesis entitled: Deep Space Navigation for the Martian Moons eXploration mission

Edoardo CICCARELLI

For a thesis entitled: 2D/3D Face Recognition, Face Analysis, and 3D Reconstruction

Michael DANNER

Faculty of Engineering and Physical Sciences **AWARDS**

For a thesis entitled: Learning natural vector sketch models

Ayan DAS

For a thesis entitled: Neural Rendering and Relighting of Humans

Farshad EINABADI

For a thesis entitled: Non-Reciprocal Broken-Ray Tomography for Optical and X-ray Imaging

Matthew John FAULKNER

For a thesis entitled: Grant Free Multiple Access For Future Massive-IoT Communications

Pengyu GAO

For a thesis entitled: Integrated implantable mesh sensor system for multiparametric real-time monitoring of lithium batteries

Yi GONG

For a thesis entitled: A Binary Analysis Platform in Isabelle/HOL

Matthew James GRIFFIN

For a thesis entitled: Fine-Grained Vision-Language Learning

Xiao HAN

For a thesis entitled: Machine Learning for Channel Estimation and Optimization in RIS-assisted Communication Systems

Zhizhou HE

For a thesis entitled: Attribute-Aware Face Recognition

Lei JU

For a thesis entitled: Generative Models for Computational Relighting

Nikolina KUBIAK

For a thesis entitled: Performance and Flexibility Enhancements for the Evolved Packet Core

David LAKE

For a thesis entitled: Formal Modelling of Proof-of-Stake Blockchain Protocols

Kent Anthony William LEEDING

For a thesis entitled: Computational Techniques for Digital Mapping and Correction of Metamorphopsia

Ye LING

For a thesis entitled: ELAA-MIMO Channel Modelling and Uplink Detection Methods

Jiuyu LIU

For a thesis entitled: Towards 3D VR Sketch

Ling LUO

For a thesis entitled: Sound to Text: Automated Audio Captioning using Deep Learning

Xinhao MEI

For a thesis entitled: Ultra-Power-Efficient DigiLogue Processing for Ultra-Wide Bandwidth Wireless Systems

Mahmoud MOJARRAD KIASARAEI

For a thesis entitled: A Cybersecurity Protection Framework for 5G Networks

Robert Mark PELL

For a thesis entitled: High efficiency and stable perovskite photovoltaics via interface engineering

Withanage Hashini Kawshika PERERA

For a thesis entitled: Dual-Channel Software Analysis

Constantin Cezar PETRESCU

For a thesis entitled: Learned representations of artistic style for image retrieval, description, and stylization

Dan Sebastian RUTA

For a thesis entitled: Flexible Blockchain Framework for Dynamic Cluster-based Applications

Khalil SAADAT

For a thesis entitled: Structured Representations for Scene Understanding

Avishkar Jayant SAHA

For a thesis entitled: Scattering Models for Fixed Link Sub-THz wireless links
Demos SERGHIOU

For a thesis entitled: Unveiling the Potential of Synthetic Data for Animal Pose Estimation
Moira Chloé SHOOTER

For a thesis entitled: High Performance Organic - Inorganic mixed Lead - Tin perovskites for Photovoltaics
Shashini Manoori SILVA

For a thesis entitled: Emerging Applications of Reconfigurable Artificial Magnetic Conductors in Wireless Communications
Vikrant SINGH

For a thesis entitled: Security of Topology Discovery Service in Software-Defined Network
Sanaz SOLTANI

For a thesis entitled: An Investigation into the Use of Natural Dyes for a Retinal Prosthesis
Aimee Rebecca SWEENEY

For a thesis entitled: Knowledge Enhanced Natural Language Generation
Chen TANG

For a thesis entitled: Enabling air-breathing electric propulsion for VLEO: Computational analysis of orbital envelope and experimental development of microwave plasma cathode
Mansur TISAEV

For a thesis entitled: Towards QoE Awareness in Video Coding and Immersive Media
Carl Chinonso UDORA

For a thesis entitled: Explainable and Efficient Machine Learning using Meta Inverse Entailment
Dany VARGHESE

For a thesis entitled: Classical and post-quantum anonymous signatures
Yalan WANG

For a thesis entitled: Interface Engineering for Efficient Inverted Perovskite Solar Cells
Yun WANG

For a thesis entitled: Water Treatment and Purification Using Derived Natural Clay Nanocomposites: A Route to the Removal of Pollutant Ions in Potable Water
Dinesha Priyadarshani WATTE VIDANELAGE

For a thesis entitled: Distributed Audio-Visual Multi-Target Tracking
Peipei WU

For a thesis entitled: Distributed Beamforming Design for LEO Satellite-to-Phone Communications Enhancement
Zhuoao XU

For a thesis entitled: Flexible minimally invasive power sources with long-term stability for implantable electronics
Ming XU

For a thesis entitled: On the Interpretability of Reinforcement Learning
Ho Man Herman YAU

For a thesis entitled: Spectral behaviour of single- and multi- Fabry-Pérot optical resonators: a theoretical analysis
Jerry YEUNG

Faculty of Engineering and Physical Sciences AWARDS

MATHEMATICS AND PHYSICS

Doctor of Philosophy

For a thesis entitled: Ultraviolet-Cross-linked Polymers for Pressure-Sensitive Adhesives: Debonding-on-Demand or Degradable

Rohani Binti ABU BAKAR

For a thesis entitled: Perovskite Polycrystalline Direct Radiation Detectors

Suad Saeed M ALGHAMDI

For a thesis entitled: Tracking massive black hole binary mergers in highly-resolved galactic centres

Kate Gilda ATTARD

For a thesis entitled: Mathematical models for tissue growth and development with applications to organoids and tissue engineering

Kieran Peter BONIFACE

For a thesis entitled: Hexagonal boron nitride: Investigations towards a single-photon source

Alexander Rowan BROWNING

For a thesis entitled: The Development of a Dose-Area-Product Calorimeter for Advanced Radiotherapy Techniques

Emily Louise CLIFFORD

For a thesis entitled: Singularities in fluid dynamics: from the classical approach to Monge-Ampere geometry

Roberto D'ONOFRIO

For a thesis entitled: Development of polymeric photonic crystals as colorimetric sensors for chemical sensing

Ashley Lewis EVANS

For a thesis entitled: Data-driven modelling of dynamical systems from data streams

Stephen FALCONER

For a thesis entitled: Partial Confinement, Matrix degrees of freedom, and Holography
Vaibhav GAUTAM

For a thesis entitled: Action-based Dynamical Modeling of Dispersion-dominated Systems

Paula Andreea GHERGHINESCU

For a thesis entitled: Stars and stellar haloes at the EDGE of galaxy formation

Alexander GOATER

For a thesis entitled: Seeing the unseen: Inferring dark matter subhalo properties from stellar streams

Tariq HILMI

For a thesis entitled: Substructure in the Lowest Mass Galaxies

Noushin KARIM

For a thesis entitled: Machine Learning Techniques Applied to Challenging Gamma Spectra

Luke LEE-BREWIN

For a thesis entitled: Probing Bad Theories with the Dualization Algorithm

Fabio MARINO

For a thesis entitled: Structure of Neutron-rich Nuclei in the ^{132}Sn Region

Thomas Graham PARRY

For a thesis entitled: Cross-shell interactions at the N = 28 shell closure via $47\text{K}(\text{d},\text{p})48\text{K}$ and $47\text{K}(\text{d},\text{t})46\text{K}$

Charlie James PAXMAN

For a thesis entitled: The Effects of Wall Compliance on the Stability of Jets and Wakes

Ryan POOLE

For a thesis entitled: Tracing the Structure and Evolutionary History of the Small Magellanic Cloud with Galactic Archaeology

Joanna Diana SAKOWSKA

For a thesis entitled: Star Clusters and Dwarf Galaxies at the EDGE of Galaxy Formation

Ethan Dominic TAYLOR

For a thesis entitled: Laser Assisted Nuclear Fusion: From Deuterium-Tritium to Heavy-Ion Reactions

Nicholas THOMSON

For a thesis entitled: Probing the dark matter content of external galaxies by modelling stellar streams: Constraining dark matter with external stellar streams

Madison Victoria WALDER

SCHOOL OF ENGINEERING

Master of Philosophy

For a thesis entitled: Chemical and Advanced Micromechanical Characterisation of Aged Thermal Barrier Coatings

Minal PATEL

Doctor of Engineering

For a thesis entitled: Acoustic evaluation of bond quality in ceramic-metal armour

George Christopher Stephen EDMUNDS

For a thesis entitled: Evaluation of Partial Interface De-Bonding Using Multi-Layer Laser Flash Analysis

Ateeb Fareed FAROOQUI

For a thesis entitled: Life Cycle Assessment for Carbon Fibre manufacture

Amy FITZGERALD

For a thesis entitled: Automated Processes in Composite Manufacturing and Characterisation

Phillip Patrick KEARNEY

For a thesis entitled: Determination of the Residual Stress Within Vapour Deposited Glass Coatings Using Focused Ion Beam Techniques

Jauffrey LESCOFFIT

For a thesis entitled: Effects of Argon Monatomic and Gas cluster Ion Bombardment of GaAs and InP: Chemical Composition and Surface Topography

Helen OPPONG-MENSAH

Doctor of Philosophy

For a thesis entitled: Evaluation Of Waste-to-Energy In Bauchi Metropolis: A Key Component To A Comprehensive Municipal Solid Waste Management

Salihu Jarmajo AHMED

For a thesis entitled: Reclamation and Agricultural Reuse of Mixed Industrial and Domestic Wastewater Treated by Aerobic Biological Process and Ozonation

Precious Nneka AMORI

For a thesis entitled: Feasibility of an Ultra-Thin Composite Boom Linear Motor Deployer

Henry AYRES

For a thesis entitled: Developing a design framework for enhanced air pollution mitigation by urban green infrastructure

Edward Yendle BARWISE

For a thesis entitled: Characterisation and Cytotoxicity of Nanoparticles and Metal Ions Arising from the Wear of Cobalt-Chromium Hip Prostheses

Michael BEN SAID

For a thesis entitled: Evaluation and application of CFD for turbine rim sealing

Shaun Richard BURDEN

Faculty of Engineering and Physical Sciences

AWARDS & PRIZE WINNERS

For a thesis entitled: Investigation of heat pipes-based hybrid battery thermal management system for electric vehicle applications: heat pipe based hybrid BTMS in EVs
Arman BURKITBAYEV

For a thesis entitled: Development of Parallel Linear Solvers for CFD Applications in Turbomachinery
Li Juan CHAN

For a thesis entitled: Mechanical de-stiffening utilising controllable thermoplastic softening
Dimitrios CHARAKLIAS

For a thesis entitled: Characterising the Electrophysiological Properties of Cells in Health and Disease
Krista CLARKE

For a thesis entitled: The Job Satisfaction- Performance Relationship: The Role of Leadership and Organizational Culture within Sustainable Businesses
Panagiota Agni DIKAIYOU

For a thesis entitled: Model-based integrated chassis control for cars with active aerodynamics
Petar Ivaylov GEORGIEV

For a thesis entitled: Investigations of Processes and Development of Cathode Materials in Lithium Sulphur Batteries
Sean Dermot GRABE

For a thesis entitled: Next generation chassis controllers for high performance passenger cars
Giuseppe GUASTADISEGNI

For a thesis entitled: Electrophysiological Profiling of Bladder and Cervical Cancer
Rashedul HOQUE

For a thesis entitled: Economic and Environmental Performance in Bangladesh's Manufacturing: Measurement, Policy Responses, and the Way Forward
Mohammad Alamgir HOSSAIN

For a thesis entitled: Soil damping curves for monopile supported offshore wind turbine structures
Sachin JINDAL

For a thesis entitled: High Throughput AC Electrokinetics
Matthew Philip JOHNSON

For a thesis entitled: Post-growth and the North-South Divide: A Post-Keynesian Stock-flow Consistent Analysis
Dario LEONI

For a thesis entitled: Thermally Activated Stiffness Tuneable Lattice Structures
Parham MOSTOFIZADEH

For a thesis entitled: A nonlinear least squares approach to wind tunnel wall-interference corrections
Simon Andrew NOEL

For a thesis entitled: The assessment of the impact of nutrient recovery for improving urban wastewater management and protecting water quality in lakes using the case study of Laguna de Bay, Philippines
Carla Mae PAUSTA

For a thesis entitled: Rubber-road friction characteristics from large and small scale tyre testing
Megan Savannah PEGRAM

For a thesis entitled: Nano-structure Survey of Natural and Biomimetic Dental Tissues by the 3D SAXS Tensor Tomography
Tayyaba RABNAWAZ

For a thesis entitled: Time Resolved Surface Pressure and Concentration Correlations in an Atmospheric Boundary Layer
Joy Lucy SCHMEER

For a thesis entitled: Novel Preview-based Control Algorithms for Enhanced Vehicle Safety and Ride Comfort
Pietro STANO

For a thesis entitled: Prototyping and Testing of Novel Active Safety Systems Based on Nonlinear Model Predictive Control

Gaetano TAVOLO

For a thesis entitled: Experimental investigation of Green Infrastructure for Improving Air Quality in Urban Street Canyons

Mamatha TOMSON

For a thesis entitled: Advanced Modelling of Flow and Heat Transfer in Rotating Disc Cavities

Ruonan WANG

For a thesis entitled: A Novel Approach to Battery Thermal Management based on Capillary Driven Evaporative Cooling

Delika Medhara WERAGODA

For a thesis entitled: Bistable composite plate nonlinear vibration absorber for passive vibration control

Christopher James Stewart WILLETT

For a thesis entitled: Intelligent Decision-Making Methods for Autonomous Highway Driving

Mustafa YILDIRIM

PRIZE WINNERS

Computer Science and Electronic Engineering

The Cable and Wireless Prize awarded for the best overall performance on MSc in Satellite Communications Engineering or Communications, Networks and Software programme
Muskan KHEMKA

The Farzin Mokhtarian Prize awarded for the best all round performance on any CVS programmes
Jian HE LOW

The Rohde and Schwarz RF MSc Prize awarded for the best performance in the area of RF technology with a project mark over 60% in the area of RF or Microwave, or the best combined performance in two modules including RF and Microwave Fundamentals, RF Systems and Circuit Design
The Dung NGUYEN

The Thales Research and technology Project Prize awarded for the best project dissertation on the MSc Information Security programme
Kristiana Marinova IVANOVA

Mathematics and Physics

The IPeM Medical Physics Prize awarded for the most outstanding performance in the dissertation on the Medical Physics programme
Faezeh EHSANIRAD

The Physics Best MSc Dissertation Prize awarded for highest dissertation mark in Medical Physics
Kirsten Karen Ann BUNIAK
Fivia CHARALAMPOUS
Joshua SHARPE

The Physics Best MSc Overall Performance Prize awarded for the best overall performance on MSc Medical Physics programme
Alya Naser Saif Salim AL SIYABI

The Ron Shail Prize awarded for an excellent performance on the MMath degree programme at level 7 or the MSc Maths programmes
Alina BUDNYUK

Faculty of Engineering and Physical Sciences **PRIZE WINNERS**

School of Engineering

The Braithwaite Prize for the highest academic attainment (full time student) awarded for the highest academic achievement on an MSc programme in the School of Sustainability, Civil and Environmental Engineering
Oana ARDELEANU

The Braithwaite Prize for the highest academic attainment (part- time student) awarded for the highest academic achievement on an MSc programme in the School of Sustainability, Civil and Environmental Engineering
Tetteh-Kojo SALANDY

The Braithwaite Prize for endeavour (full time student) awarded to the student who has demonstrated particular endeavour on an MSc programme in the School of Sustainability, Civil and Environmental Engineering
Ahmad Ali GARBA

The RC Vaughan Prize for the Best Student Project in Structural Engineering awarded for the best project in MSc Civil, Structural or Bridge Engineering in terms of content and potential impact
Tetteh-Kojo SALANDY

The Roland Clift Prize for Environment and Sustainability awarded for the best MSc dissertation on environmental management or sustainable development.
Ella Grace MILNER

The Water Conservation Trust Prize awarded for the best dissertation on the Corporate Environmental Management / Water and Environmental Management MSc programmes
Ravan MAMMADOV



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