



GRADUATION PROGRAMME

PROGRAMME OF CEREMONIES FOR
THE FACULTY ENGINEERING AND PHYSICAL SCIENCES



10 APRIL 2024

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

Chair of Council

Mr Charlie Geffen

Treasurer

Mr Robert Napier CBE DL

Lay Members of Council*

Mr Vib 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

President and Vice-Chancellor

Professor G Q Max Lu AO DL FEng FAA FTSE

Provost and Senior Vice-President

Professor Tim Dunne FASSA

Chief Operating Officer

Mr Will Davies (Acting)

Pro-Vice-Chancellor, Education*

Professor Emma Mayhew (Interim)

Pro-Vice-Chancellor, Research and Innovation*

Professor Lisa Collins

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

Professor Paul Townsend

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

Professor Bob Nichol

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

Professor Annika Bautz

Vice-President, Global*

Mr Patrick Degg

Vice-President, Strategic Growth*

Mrs Martine Carter

Chief Student Officer

Ms Kerry Matthews

Chief Financial Officer

Mr Nigel Alcock (Interim)

Chief People Officer

Karen Raymer (Acting)

University Secretary and General Counsel

Ms Sarah Litchfield

*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. A particular highlight of my role is the opportunity to preside at these ceremonies and confer degrees upon students graduating 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 be of great value to you, both as you embark upon the challenges that await you in the next stage of your career and throughout your life.

I hope that you will continue to be as proud and supportive of us as we will be of you. We look forward to hearing of your achievements in the future – so do please keep in touch.

HRH The Duke of Kent KG GCMG GCVO
Chancellor



WELCOME FROM THE VICE- CHANCELLOR

It gives me great pleasure to welcome you 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.

Graduands - although your studies may be over, you will always be part of the Surrey family. Today you join more than 142,000 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 tomorrow and the rest of your life take you, remember that Surrey is your intellectual home, now and always.

**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 strained-layer quantum-well laser, which is at the heart of many devices, such as Blu-Ray drives and 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 the Covid period; 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 MAGGIE ADERIN-POCOCK MBE – CEREMONY A

Dame Maggie Aderin-Pocock PhD is a space scientist whose passion is presenting science to a general audience and demonstrating that you ‘don’t need a brain the size of a small planet’ to understand, participate in and enjoy science. She studied at Imperial College London, where she obtained her degree in Physics and her Ph.D. in Mechanical Engineering. She has spent her career making novel, bespoke instrumentation in both the industrial and academic environments including working on the James Webb Space Telescope.

To further share her passion for science, Maggie founded “Science Innovation Ltd”. Through this she conducts public engagement activities, sharing her love of space and encouraging under represented communities to take up STEM – Science, Technology, Engineering and Maths. To date Maggie has directly spoken to well over 500,000 people around the world. As well as public speaking she is an author and TV presenter and co-hosts the world’s longest-running science television program “The Sky at Night”. Maggie won the Institute of Physics gold medal for exceptional services to science education and physics communication, she was the President of the British Science Association and was made a Dame in the 2024 New Years Honours list.



GUEST SPEAKER

CRAIG WALKER – CEREMONY B

Craig graduated in the summer of 1981 from the University of Surrey with a BSc. Hons in Chemical Engineering. He joined Shell as an IT programmer in London. Over the next 17 years, his career in IT management progressed and saw him spend 10 years as an expatriate in the UAE, Saudi Arabia and Colombia. In 1998, he moved to KPMG as an Associates Partner to learn about other industries, cultures, and ways of working. In 2005, after what he describes as the best 6-year training course Shell let him go on, he returned to Shell as CIO for the African Downstream businesses based in Cape Town. After 3 years he became Global CIO of Shell Trading and Shipping based in Houston, Texas and then, in 2014, became Global CIO of Shell Downstream based in London.

Craig retired in 2020, and joined Salesforce as an SVP, Strategic Advisor to the office of the CEO. He also chairs the Institute of Coding, which is dedicated to delivering free technical skills development to people in the UK. He also participates on several industry advisory boards. He has a passion for business, developing people, travelling with his wife and spending time with family.

Whilst at the university he enjoyed being on a number of university committees (including Surrey Court, Entertainment, Rag) and was a popular DJ.







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 10th April 2024

Ceremony A – 10:30am

Presiding Officer: Pro-Chancellor, Dato Dr Kim Tan

President & Vice-Chancellor: Professor Max Lu

Honorary Graduand:

Dame Maggie Aderin-Pocock, MBE

Graduate Speaker: Dr Joseph O'Neill

Orator: Alan Sutherland

Wednesday 10th April 2024

Ceremony B – 2:30pm

Presiding Officer: Chancellor, HRH The Duke of Kent

President & Vice-Chancellor: Professor Max Lu

Guest Speaker: Craig Walker

Graduate Speaker: Dr Michal Delkowski

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 Member of the College of Canons of Guildford Cathedral

Welcome from the President and Vice Chancellor

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

Presentation of awards and prizes and conferment of Higher Degrees by the Pro-Chancellor or Chancellor

The President and Vice Chancellor 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)

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 B)

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

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

The 10:30am ceremony

Organ played by Asher Oliver
Sub-Organist, Guildford Cathedral

Music to include:

Prelude & Fugue in D (BWV 532)
– Johann Sebastian Bach
Rhosymedre – Ralph Vaughan Williams
Hyfrydol – Ralph Vaughan Williams
Herzlich tut mich erfreuen – Johannes Brahms
Schmücke dich, o liebe Seele – Johannes Brahms
Prelude in F – Fanny Mendelssohn

Processional

Intrada – Grayston Ives

Recessional

Final, from Symphonie 1 – Louis Vierne

The 2:30pm ceremony

Organ played by Jeremy Wan
Organ Scholar, Guildford Cathedral

Music to include:

Pièce solennelle – Jacques Ibert
Arioso – Johann Sebastian Bach
Solemn melody – Henry Walford Davies
Prelude in Classic Style – Gordon Young
Air on G string – Johann Sebastian Bach
Menuet, from La Temple Glorie
– Jean-Phillippe Rameau

Processional

Intrada – Grayston Ives

Recessional

Toccata, from Symphonie 5 – 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 142,557 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.



LAURA GAINOR

MBUS BUSINESS MANAGEMENT CLASS OF 2021

"My time at Surrey is so precious to me. I made lifelong friends and gained mentors and skills that made me feel confident in the working world. I shaped who I am at Surrey and graduated as someone I'm proud of."

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



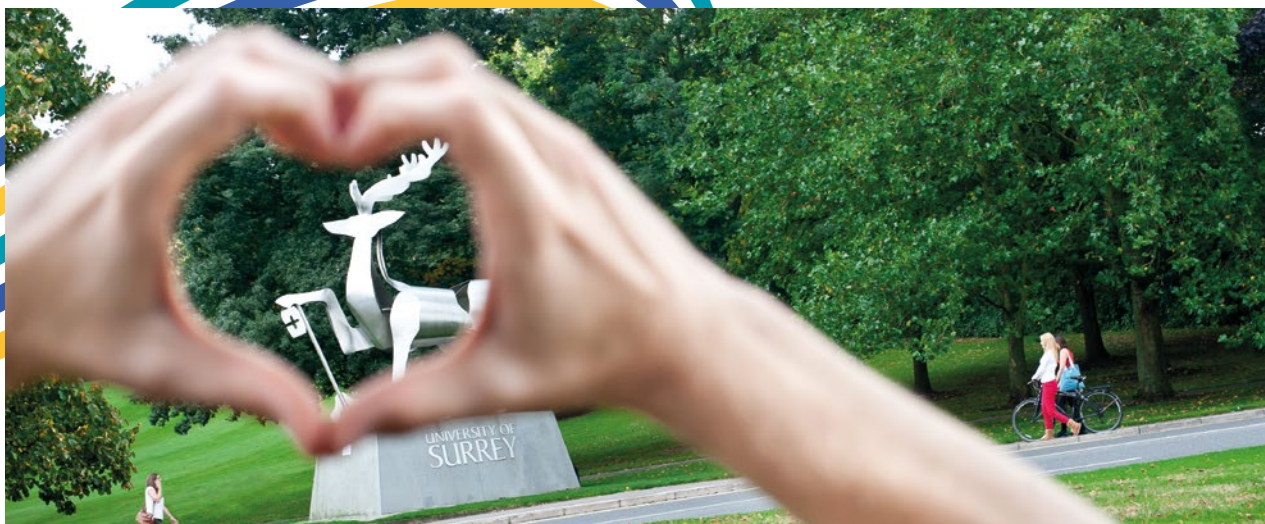
@SurreyAlumni



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

Bandini RAGHAV

Postgraduate Certificate in Bridge Engineering

Michael Vincent DAWSON

Postgraduate Certificate in Civil Engineering

Haoyuan ZHANG

Postgraduate Certificate in Computer Vision, Robotics and Machine Learning

Anuj Surendra Sharma SHARMA
Aswin SHYLA BABU

Postgraduate Certificate in Data Science

Adebola AMURE
Venkat KATRAGADDA

Postgraduate Certificate in Electronic Engineering

Aidan BROWNE
Matthew Lewis CLAYTON
Samantha Leann DICKSON
Maria Margarete RODRIGUES

Postgraduate Certificate in Electronic Engineering with Professional Postgraduate Year

Punith NAGECHETTY
Naveen VARGHESE

Postgraduate Certificate in Information and Process Systems Engineering

Mahmoud Naser Kamal Mohamed ABDELRAHMAN

Postgraduate Certificate in Information Security

Thomas MA

Postgraduate Certificate in Satellite Communications Engineering

Deepa UMASHANKAR

Postgraduate Certificate in Structural Engineering

Kelvin Valence MSAKI
Hatim SANAWAD WALA

Postgraduate Certificate in Water and Environmental Engineering

Tammy Ariel MARQUES DE ASSIS BOAVIDA

Postgraduate Diploma in 5G and Future Generation Communication Systems

Abhishek Kripashankar TIWARI

Postgraduate Diploma in Artificial Intelligence

Ankita Ajaybhai BHATT

Postgraduate Diploma in Civil Engineering

Garvit CHOUHAN
Sharmila MOHAN

Postgraduate Diploma in Communications Networks and Software

Yue PAN

Postgraduate Diploma in Computer Vision, Robotics and Machine Learning

Pengbiao LI
Kongkea OUCH

Postgraduate Diploma in Data Science

Sebastian Andres ANGEL
Dihith Kumar MANNAM

Postgraduate Diploma in Data Science with Professional Postgraduate Year

Aditya Mohan Jignesh CHAUHAN
Christopher ENDACOTT
Gopi Krishna Narendra GOLI
Rajveer Vikramsinh MAHARAU
Ishan Dayendra PATIL

Postgraduate Diploma in Electronic Engineering

Kleivi LILA

Postgraduate Diploma in Information and Process Systems Engineering

Jamie MAUNDER

Postgraduate Diploma in Information Security

Atiya HAI
Yuchang HU
Khilwed MAQSOOD
Sayed Raheem SHAH

Postgraduate Diploma in Mathematical Data Science

Birat KARKI BELBASE

Postgraduate Diploma in Medical Physics

Mahin AMANI

Postgraduate Diploma in Physics

Maximilian Alexander KEEL
John David THACKRAY

Postgraduate Diploma in Renewable Energy Systems Engineering

Siddhant Milind ADHAVE
Sminish Nikarthish SEBASTIAN

Postgraduate Diploma in Space Engineering

Ashwin ARAVINTHANATHAN
Abdelmadjid BELAID
Thomas BISCOE
Scott Peter HANSON
Bernardo SAEZ-BENITO YVANEZ

Faculty of Engineering and Physical Sciences AWARDS

Postgraduate Diploma in Structural Engineering

Andre Ian RICHARDSON

Master of Science in 5G and Future Generation Communication Systems

Otto ADISSY SILVEIRA
Seth Twumasi ANKRAH
Josyula Abhijeet DAS
Arundhathi JAYAKRISHNAN
NITHU KRISHNA
Khondker Nabil TARIQUE
Amol Vishwanath TIDKE

Master of Science in Advanced Geotechnical Engineering

Zergham BASHIR
John James GALLAGHER
Gregory Robert Michael MCNAMARA
Duc Nam NGUYEN
Habib-Ur REHMAN
Abdelrahman Mohamed Nagaheldine Elsaid SALEM
Vamsi Krishna SAMMATA
Gayathry UMESH

Master of Science in Artificial Intelligence

Utkarsh ACHARYA
Bader Bandar D ALANAZI
Hadeel ALSADOUN
Reef Saleh A ALTURKI
Hanouf Mohammed A ALZAID
AMANDEEP KAUR
Anjali ANBARASAN
Mahrukh AWAN
Sreejoni BANERJEE
Shabnam Fathima BASHEER
Abhishek BHARDWAJ

Azhageswari CHINNASAMY
Chandana DRONAVALLI
Shania FERNANDES
GEETANSH
Kartik GEHLOT
Shubham Prakash GOGRI
Kashyap HEBBAR
Sanket Anand JADHAV
Aishwarya JAYANTHRAJ
Kapil JAYARAJU
Xiyuan KANG
Amandeep KAUR
Mishal KHAN
Rafael KOULLOUROS
Ezhil Priyadharshini KRISHNA
Anitha KUGUR PARAMESHWARAPPA
Yash Mahesh KULTHE
Sushmitha Ram KUSU
Hung Nhat LE
Abdullah Ali M MAHDLI
Jeevanantham MANISEKARAN
Albert MATHEWKUTTY
Vijaya MOHAN
Venkata Subrahmanya Yaswanth MORISETTY
Moiz Saifuddin NAGARIA
Parinitha Ramesh NAIDU
Job Minsak NANANG
Le Hoang NGUYEN
Chimzuruoke Ngozichukwu OKAFOR
Ekene Tochukwu Arthur OKONKWO
Jordan Mark Andrew Robert PAINTER
Bibas RAI
Sukumar RAMA
Sreepriya RAMESH
Averi RAY
Swaroop Ramlal SAROTE
Deeptanshu SEKHRI
Deepesh Kumar SHERWAL
Rutwik SHETE
Amandeep SINGH
Deepak SINGH
Harjeet SINGH

Devoprasad SUNIL NEDUNGADE
Abhirami SUSANTH
Kali Kousik THANABALAN
Martin Eyituyo UGBURO
Pengjin WU
Yuchao ZHOU

Master of Science in Bridge Engineering

Husam ALREFAI
Ali ARZEYTOON
Trudea Ajiambo BWIRE
Jefferson EJEH
Seyedmajid HASHEMIFARD
Mohammad Abubakar Mohamed KASSIM
Shane KEARNEY
Iñigo LÓPEZ FAJARDO
Vaisali MUTHIRAKUZH SREEKANDAN

Master of Science in Civil Engineering

David Robert ADAMSON
Amrutha ALIAS
Arun BAGSHAW
James Anthony COATES
Arockiam Mary Donald CROOS
GEETHU GOPALAKRISHNAN
Akshay Parameswaran KALYANASUNDARAM
Shaun KIRKPATRICK
Brian KYAKULAGA
Dakshesh LAD
Christopher Chika OLEKA
Parham REYHANIANASL
Hannelore SIMION-KRAUSZ
Thanushan THIRUNAVUKKARASU
Ching Wai Stephen TSANG
Oguz Kagan UGURDOGAN
Lauriann WILLIAMS
Linda Marita WINBERG

Master of Science in Communications Networks and Software

Wenzhuo AI
Ganguli Shavindika JAYARATNE
Ye TIAN
Zhengsheng WANG
Xiaolei ZHANG
Yitong ZHOU

Master of Science in Computer Vision, Robotics and Machine Learning

Deep Wilson ARICATT
CHINNU MERIN MATHEW
Ying Wai CHOY
Muhammad Umar FAROOQ
Ahmed Elhaytham Sayed FATHELBAB
Umar MARIKKAR
Yasmine MELLAH
Jude Antony PAUL
Shashwat PRATIK
Nasiru Ibrahim SAMBO
Vaishali SHIVAKUMAR
Bars Sandor SZEGEDI
Kodai TOYOKI
Pamela Effiom WHILEY
Wai Pan WONG
Linlin YUAN

Master of Science in Corporate Environmental Management

Pranoti Mitesh AMBAVALE
Eloise Katherine HANNEY
Matthew Thomas KINGSTON
Yihao LIU
Eun Jung NA
Rafaelia NIKODIMOU
Daniella PAKKOS

Faculty of Engineering and Physical Sciences **AWARDS**

Master of Science in Data Science

Sanchit AGARWAL
Taukeer AHMAD
Anthony Erhire AWOBASIVWE
Mehmet Can AYDIN
Ayona BIJU
Brandon Jaye Miciri Muchene CHARLES
Xinyi CHEN
Ashwin Manohar DESAI
Bo DONG
Jason Jay DOOKARUN
Khalil EL DAOU
Alex FRANKE
Clare GORTON
Arjoo GUPTA
Jithin JAISON
Navnath Ashok HANDE
Weiming JIANG
Anakha JOY SISSY
Ashik KALISSETTY
Rahul KANNAN
Muhammed Sahil KOOLYATTAYIL
Chun Yin Levan LUI
Abdulazeez Olasubomi MAHMUD-AJEIGBE
Adarsh MANOJ
Jeniffer MARIA
Akhil Muraleedharan NAMBRADATH
Boyang NAN
Steryios NICOLAIDES
Evans Ochola OCHIENG
Hiroto ONO
Pavithran PARANTHAMAN
Piyush PATEL
James Jonathan PRESTWICH
George PUTHANANGADI
Arun Kumar ROY
Rajeshwari SADASHIVA MANJULA
Sharayu Dileep SALUNKHE
Abubakar Jauro SANI
Keerthivasan SARAVANAN
Karthik SATHEESH THAMPI
Prathamesh Ravikiran SAWANT

Sahil Pratap SAWANT
Sharat Chandra SAYINI
Pauline SCHOUTEN
Shariq Bashir SHAIKH
Farbod SHISHEHBORI
Jerrina Ann SIMON
Nischay SINGH
Rudra Ajay SOMESHWAR
Akarsh SREERAMULU
Ann Mary TOM
Prasanth VASANTHARAJAN
Worrakrit WUDHIPHAN
Parsa YAGHOobi

Master of Science in Data Science with Professional Postgraduate Year

Uday Kiran ARAVELLI
Simran BAFNA
Tirth Gopal BHATT
Keyur Atul BILGI
Manibhargav DAMA
Ketaki Anand DAMLE
Sohom DAS
Mahilnan DEVASUNDARARAJAH
Ememobong Edem EKPENYONG
Gowrisaranyan GANESAN
Said-Samir Hadi GOUHARY
Aditi Shailesh KAMLAKAR
Kowshik KESAVARAPU
Sahla MARJAN
Saketh MUDDANA
Shweta NEGI
Gururaj NIMBALKAR
Jhansi Lakshmi PEETHA
Sandeep PUDOTA
Akshaykumar Laxman PUJARI
Rohini RAGHUKUMAR
Rosmin Ann RAJU
Ashitha REJITH
Surya Sai RONGALA

Sephy SABU
 Debjyoti SAHA
 Vaishnav Bharadwaj SATHYA PRASAD
 Harpreet SINGH
 Ruvinya SIRIWARDENA MAHANAMA
 Dewang Umesh SOLANKI
 Ashwin SUBRAMANIAN
 Aditya Mohan VICHARE
 Aravind VIVEKANANDAN
 Anuja Bhagwan WAGH
 Hektor Reckless WAINER
 Hanju WANG

Master of Science in Electronic Engineering

Michael ADOMAKO
 Hemal Chhaganbhai AHIR
 Oghenetjiri Daniel APIO
 Prasanna Sai Reddy BANDA
 Jiaye FAN
 Anirudh IYENGAR MOHAN
 Musaddique Imamuddin KHAN
 Tanay Nilesh MATHURE
 Man Nok NG
 Guanlin NIU
 Mohammed Aneesuddin NIZAMUDDIN
 Ben Ebenezer OLADOKUN
 Alexander Joseph POYSER
 Akhmadanna Pradipta PUTRA
 Gowtham VASUDEV
 Yuhao ZHANG
 Yupeng ZHENG

Master of Science in Electronic Engineering (Euro-Masters)

Aishwarya RAMACHANDRA

Master of Science in Electronic Engineering

with Professional Postgraduate Year

Iqra AKRAM
 Alexander Daniel William BRUCE
 Chitra Kumar CHOCHANGA
 Eunji KIM
 Naga Vishalya KONTHAM
 Kendrick Ying Xin LU
 Tofawel Ahmad SHAHIN
 Ashwin THELAPPILLY JOY

Master of Science in Environmental Strategy

Louis Alexander BLUNDELL
 Holly Victoria BURT
 Shankar GNAWALI
 Manali Himatbhai KACHCHHI
 Ankur KAUSHIK
 Daniel Mark NOWAK
 Irene SAVVIDOU
 Katie April TURNER

Master of Science in Information Security

Ese ADJARA
 Hassan AKMAL
 Abdul AZIZ
 Raj Chetan BHEDA
 Zheng CHAO
 Mohit CHAUDHARY
 Emeka Evans EHILEME
 Bader Ayman Abdelhai Hashem ELFARRA
 Krum GEORGIEV
 Rohit Nitin GHAG
 Evren-Utku GUNEY
 Zainab JALIL
 Vikram Singh Satyavir KADIAN
 Althafu Rahman KASALIPARAMBIL AURANGASEEB
 Zaib KHAN
 Kaustubh Sanjay KSHEMKALYANI
 Venkatesh MAHADIK

Faculty of Engineering and Physical Sciences AWARDS

Gaurav Satish MALGE
Udochukwu Kelechi ODUNZE
Nsidibe Joan OPEL
Oliver James READ
Oliver Philip ROBERTS
Rasswanth SENTHILKUMAR
Harsh SHARMA
Sunny SHARMA
Udbhav SHARMA
Sahajbir Singh SIDHU
Yash Sanghmitra SURYAWANSHI
Siyu TANG
Stephen Chimene Ogbumbada YOUNG

Master of Science in Infrastructure Engineering and Management

Nouf E Y A ALMONAYEA
Nadia AL-SAFI
Tawonga CHIKOMBE
Muhammad Saad HASSAN
Keith Tinashe JIRI
Ligith KUTTICHI
Sahil Sanjay MAHINDRAKAR
Mahantesh Aravind MANAGULI
Ratanan RATANACHOT
Amina SAGEER

Master of Science in Mathematics

Jack Edward DOLDEN
Jacob GRAFHAM
Charlie MALONE
Samuel RENFORTH
Yafei WANG

Master of Science in Medical Physics

Aynour ABBASZADEH BONEH
Chamintha Jayani ABEYWICKRAMA BATAGODAGE

Helen Bolanle AJAYI
Adila AREKKAT PARAMBIL
Abdulwareez Kolawole AYODELE
Alfia AZEEZ
Robert Michael BASS
Ellie Mae BEAMES
Ka Nam CHUANG
Emmanuel Okafor CLIFFORD
Jesna GEORGE
Eleni HADJITOOULI
Aleena JAISON
Christin JOSE
Minnu Elsa JOSE
Aneesha JOSEMON
Athira KARATHAZHIYATH MAHESWARAN
Dulcie Elizabeth MAKINS-WILSHAW
Kai Him NG
Matthew PEREIRA
Anandhu PRASANNA KUMAR
Srilaakshmi RAMAKRISHNAN
Claire Louise RAMSEY
Andrew Oswin RATNAM
Lakshmi SASI
Amal SIBY
Teerapatra SIRISUEB
Mahima Nair SREEKUMARAN NAIR
Krishna VENUGOPAL
Adwaita VIMAL
Eli Stefan James WIENER

Master of Science in Mobile and Satellite Communications

Anouk CEUPPENS
Vasu Siew CHADEESINGH
Anjali Mrithyumjayan NAIR
Di WU

Master of Science in Nanotechnology and Renewable Energy

Aravind Chandar BABU
God'sglory Chinonye EMMANUEL
Sourav MANU DIVAKARAN
Aumrita PAUL
Luke James SCADDAN
Priyesh SHUKLA

Master of Science in Nuclear Science and Applications

Andre Filipe VALE ANTUNES

Master of Science in Petroleum Refining Systems Engineering

Mohamed Firnas MOHAMED FAREED

Master of Science in Physics

Muhammad Naseer AFZAL
Samuel Michael Nicholas SULLIVAN
Kishore THIRUMOORTHY
Gamze TORLAK
Nikolaos TSOKAS
Jack TUIE
Kimberley Jane WARD
Brahmi WIJAYARAJAH

Master of Science in Process Systems Engineering

Ghazal HOSSEINKHANI
Roman KONDRATEV
Ioannis SARAVALOS
Greeshma SURESH

Master of Science in Radiation and Environmental Protection

Zainab KAMARA
Matthew Geraint OWEN
Amanda WEBSTER

Master of Science in Renewable Energy Systems Engineering

ABDUL SAMAD KHAN
Abdulkareem Abdulrazzaq A AL KHEDAIRY
Ayoub Said AL-NASSERI
Gul HAMEED
Aida JAHANGIR
Gokul JAYAPRAKASH
Chia-Lung KAO
Naveen MURALI
Oluwatobi Hector OGUNSANYA
Mohammed Farhan PARAKKAL
Syed Hamid RAZA
Havin SAJEE
Dananjaya Thilina Weerawansa SENADIGE
Nisha SHERIEF
Muhammad Sibghat Ullah Najam SIDDIQUI
Anish SUKUMARAN
Aparna VIKRAMAN SANTHOSH BHAVAN

Master of Science in RF and Microwave Engineering

Romano AGOSTINI
Chamal Anjana PERERA

Master of Science in Satellite Communications Engineering

Pallavi LAKRA
Claudia Patricia LOPEZ FERREIRA

Faculty of Engineering and Physical Sciences **AWARDS**

Master of Science in Space Engineering

Jack FINLAY
Annie GOEL
Ludovico GREGORI
Hamza Eren GUNALTAY
Abraham Jacobus HELBERG
Alexander Long-Hei HOTTEN
Sung Woo David HWANG
Joshua Daniel Peter JAMES
Varun Subramanian KUMAR
Ho Man Hermann Man Hermann KWAN
Ali Hadi MOHAMMAD
Vinayak NARAYAN
Rohit Raju NIKAM
Melike Asya OKUMUS
Jose Luis OLIVAN CANO
Charles William Sidney ROE
Tejas Vinod SHENOY
Anisha SHRESTHA
Callum SLACK
Matthew SLATER
Luke TREMBLIN
Vrishti UDHIN
Sho WRIGHT

Master of Science in Structural Engineering

Hady Ahmed Mohamed ABDELREHIM
Ahamed Afsal ABDUL WAHID
Brian ALITUHA
Ahsan BABAR
Panagiotis BEKELIS
Sunny Dharmesh BHAVSAR
Hamza Mohamed BUBTANA
Beatrice Julius ISHENGOMA
Thanushan JAMES
Samuel Sumanth MARE
Fahad NADEEM
Zaynab Ammaarah NOORDALI
Ashwin Soosan PILLAI
Mian Muhammad USMAN

Master of Science in Sustainable Development

Chisom Judith ANYALEBECHI
Ojochide Okunnu ATOJOKO-OMOVBUDE
Laura BORTMARTIN
Sau Ting CHONG
Siu Fong CHOW
Emily COUGHLIN
Haeyoung EUN
Katie HANLON
Adebola Victoria ILESANMI
Lumini Yasara JAYAWARDANA ARACHCHIGE
Rabin KANDEL
Babina Ann MATHAI
Oluwafemi Augustine OGUNDELE
Edward Alan Matthew RIDGEON
Patricia SAMARANY
Greeshma SHAJI
Sahar SHARIFI
Pragya SINGH
Finn THOMAS-WIDGER
Rebecca Katherine VIDELO

Master of Science in Water and Environmental Engineering

Fathimath Inash ADIL
Miriam Ayuba BELLO
Catherine Shelagh BERRY
Maram Nabil Mesbah ELDURINI
Yiman FAN
Apil GURUNG
Dilini Buddhika HAKMANA PARANA LIYANAGE
Venkata Niteesh Reddy MADITHATI
Dolapo Elizabeth OROTAYO
Parsa PEZHMAN
Mohamed Shaulan SADIQ
Mitra SHARAFBAYANI
Vanitha SILVARAJHU
Himmat SINGH
Sona Mariam THOMAS

RESEARCH DEGREES

Chemistry and Chemical Engineering

Doctor of Philosophy

For a thesis entitled: Flame retardants for Epoxy Resin: Synthesis, Mechanisms and Machine Learning Guided Design

Zhongwei CHEN

For a thesis entitled: Optimal Design of Grid-Connected Distributed Energy Systems with Optimal Power Flow

Ishanki Anjana DE MEL

For a thesis entitled: Global sensitivity analysis for mathematical models with constraints

Panagiotis DEMIS

For a thesis entitled: Investigation of Cobalt-free lithium-rich layered oxide cathodes for high-performance lithium-ion batteries

Yameng FAN

For a thesis entitled: Microplastic fibres: Generation from textiles, and potential to sorb aqueous metal(loid)s in wastewater.

Harrison FROST

For a thesis entitled: Developing Ceria-Based Nanocomposite Materials for Low/Intermediate-Temperature Solid Oxide Fuel Cells

Nasrin GHAEMI

For a thesis entitled: Experiment-assisted modelling of thermal behaviour of the cylindrical lithium-ion batteries from charge/discharge processes to thermal runaway

Tengfei HE

For a thesis entitled: Design, Synthesis, and Biological Evaluation of Azasugar Nucleoside Mimics for Glycosylase Inhibition

Jacob HILES

For a thesis entitled: An Experimental Study of Pharmaceutical Powder Flow Through Model Die Filling Systems

Omar Mohammed ISMAIL

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

Maisarah Binti JAAFAR

For a thesis entitled: The physics of supersonic spontaneously combusting hydrogen flame and its inhibition

Yiming JIANG

For a thesis entitled: Heat generation in granular materials by friction and plastic deformation

Francisco Fidelis KISUKA

For a thesis entitled: Synthesis of Light-Modulated Micro/Nanomotor with Switchable Operational Mechanisms

Tianyi LIU

For a thesis entitled: Experimental investigation of the thermal runaway mechanisms of lithium-ion batteries under overcharge and other conditions

Ning MAO

For a thesis entitled: Silver-doped phosphate coacervates and remote Cold Atmospheric Plasma effluent to inhibit bacteria associated with wound infections

Athanasios NIKOLAOU

For a thesis entitled: Combined molecular dynamics and thermodynamics modelling of skin lipid bilayer structure and barrier property - Effect of hydration and exposure to chemicals

Nicola PIASENTIN

Faculty of Engineering and Physical Sciences AWARDS

For a thesis entitled: Quantitative Prediction of the Thermal and Mechanical Properties of Phenol-Formaldehyde Novolak Thermosets

Marcus William PURSE

For a thesis entitled: Synthesis and Polymerisation of Next Generation TARO Monomers

Matthew Fraser Ian RIX

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

Maryam SAIRI

For a thesis entitled: The optimisation of alkaline membrane fuel cell electrodes containing anion-exchange powder ionomers

Ihtasham SALAM

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

Chloe Louise SHAVES

For a thesis entitled: Impact of COVID-19 on the host lipidome and metabolome by mass spectrometry

Matthew Paul SPICK

For a thesis entitled: Development of Testing Platforms to Study the Gelation Property of Antiperspirant Actives

Paweenuch TEERASUMRAN

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

Thomas WARREN

For a thesis entitled: Multivariate data analytics for radiotherapy quality assurance

Arkadiusz Mariusz WOJTASIK

For a thesis entitled: Development of Novel Cathode Materials and Gel Polymer Electrolyte for Aluminium Ion Batteries

Juyan ZHANG

For a thesis entitled: Accidental release of superheated liquids: flashing jet breakup and spray formation

Xueliang ZHU

Computer Science and Electronic Engineering

Master of Philosophy

For a thesis entitled: Advancing optical coherence tomography angiography towards better diagnosis of cutaneous microvascular disease

Abdullah Khan DURRANI

For a thesis entitled: ASL-SLAM: Anasynchronous formulation of lines for SLAM with Event Sensors

Xiaoqi NONG

For a thesis entitled: Dental Disease Detection with Crowdsourced Radiograph Annotations

Ruoqing YIN

Doctor of Philosophy

For a thesis entitled: Network Intrusion Detection using Machine Learning

Sulyman Age ABDULKAREEM

For a thesis entitled: OAM-based Electromagnetic Metasurfaces for mmWave and THz Wireless Communications

Ali ALI

For a thesis entitled: AI-Driven VNF Splitting in O-RAN for Enhancing Resource Allocation Efficiency

Esmaeil AMIRI

For a thesis entitled: Electromagnetic Quasi-Periodic Structures: Governing the Phase and Amplitude Distribution in Leaky-Wave Antennas, a Phase-Correcting Lens, and a Metasurface Reflector

Ali ARAGHI

For a thesis entitled: Towards an Artificial Retinal Prototype with Organic Semiconductors

Leslie ASKEW

For a thesis entitled: Defocus Modelling for 3D Reconstruction and Rendering

Matthew James BAILEY

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

Thomas BARBIER

For a thesis entitled: Fabrication of Photo-rechargeable Systems for Self-Powered Electronics

Jinxin BI

For a thesis entitled: Multi-task Autonomy for Robotics

Xihan BIAN

For a thesis entitled: Novel Cell-Sweeping Deployment Scheme for Coverage Enhancement in Cellular Networks

Ruben Alexandre Guerra BORRALHO

For a thesis entitled: Data-adaptive Uncertainty Quantification and Propagation with Optimal Transport and Differentiable Particle Filters

Xiongjie CHEN

For a thesis entitled: Embedding bioelectronics within a multi-functional characterisation platform for cellular interrogation and cardiac tissue deterministic regeneration

Dannielle COX-PRIDMORE

For a thesis entitled: Smart coatings for carbon fibre reinforced polymer composites in space applications

Michal DELKOWSKI

For a thesis entitled: Active Sampling for Computer Vision

Yusuf DUMAN

For a thesis entitled: Machine Learning for Video Coding and Quality Assessment

Erabadda Lekamalage Buddhiprabha Harshani ERABADDA

For a thesis entitled: Cross-modal Person Re-identification

Ammarah FAROOQ

For a thesis entitled: The Challenges of Anomaly Detection

Soroush FATEMIFAR

For a thesis entitled: Application of High-order Numerical Methods to Restricted Three-Body Problem

Xiaoyu FU

For a thesis entitled: Validation of Texture Analysis

Christopher David GREEN

For a thesis entitled: Dynamic scheduler selection using deep reinforcement learning

James HALL

For a thesis entitled: Trajectory Design using Lyapunov Control Laws and Reinforcement Learning

Harry James HOLT

For a thesis entitled: Vehicle State Estimation for Autonomous Driving

Nimet KAYGUSUZ

For a thesis entitled: Strain engineering in halide perovskite photovoltaics

Dongtao LIU

For a thesis entitled: Novel SCMA Codebook Design for 6G

Qu LUO

Faculty of Engineering and Physical Sciences AWARDS

For a thesis entitled: Experimental characterisation of a novel Hall-type plasma thruster for small satellite applications

Silvia MASILLO

For a thesis entitled: Generating Virtual Camera Views Using Generative Networks

Violeta MENENDEZ GONZALEZ

For a thesis entitled: Formal Security Analyses of 5G Protocols in Different Threat Models

Rhys MILLER

For a thesis entitled: Experimental Demonstration and Characterisation of Amines as Alternative Propellants for Electric Propulsion

Rachel MOLONEY

For a thesis entitled: Cell Fault Management Using Resource Efficient Machine Learning Techniques

David MULVEY

For a thesis entitled: Towards Efficient Temporal Activity Detection from Videos

Sauradip NAG

For a thesis entitled: Shape and Appearance Super-resolution of 3D Humans

Marco PESAVENTO

For a thesis entitled: Machine Learning Methods to Analyse Dynamic and Incomplete Data

Narges POURSHAHROKHI

For a thesis entitled: Multi-Functional Carbon Fibre Composites for Radio Frequency Applications

Christopher Mark PREDDY

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

Dan Sebastian RUTA

For a thesis entitled: Exploring Sketch Traits for Democratising Sketch Based Image Retrieval

Aneeshan SAIN

For a thesis entitled: Photo-Realistic Sign Language Production

Benjamin SAUNDERS

For a thesis entitled: The stiffness and stability of drum-deployed tape springs

Jason Luke SHORE

For a thesis entitled: Autonomous Visual Inspection for generic defect detection in Nuclear Fusion Facilities

Robert Mark SKILTON

For a thesis entitled: Compressed Spectrum Sensing Based on a Periodic Nonuniform Sub-Nyquist Sampling Framework: from Theory to Practice

Zihang SONG

For a thesis entitled: Protocol Construction and Parameter Selection for Supersingular Elliptic Curve Isogeny-based Cryptography

Bruno STERNER

For a thesis entitled: Interpretable Machine Learning Models to Predict Antimicrobial Resistance

Mukunthan THARMAKULASINGAM

For a thesis entitled: Measurement of Gas-Phase Reactive Oxygen and Nitrogen Species (RONS) Generated by Remote Air Plasmas

Phillip THOMAS

For a thesis entitled: An acoustic gas thermometer for the redefinition and realisation of the kelvin

Robin James UNDERWOOD

For a thesis entitled: Specifying and Verifying Persistent Transactional Memory

Eleni VAFEIADI BILA

For a thesis entitled: Development of Highly Reversible Li-CO₂ Batteries for Energy Storage and CO₂ Utilisation: From On-Chip Exploration to Practical Application

Manman WANG

For a thesis entitled: Few-Shot Image Anomaly Detection in Manufacturing

Guoyang XIE

For a thesis entitled: Interface Engineering and Advanced Characterisation for Solid-State Lithium Batteries

Xuhui YAO

For a thesis entitled: Phase-Aware Speech Enhancement and Dereverberation

Jingshu ZHANG

For a thesis entitled: Index Modulation Technique for 6G Wireless Communication Systems

Jing ZHU

Mathematics and Physics

Master of Philosophy

For a thesis entitled: Supersymmetry of de-Sitter Solutions in String Theory

Mirco DI GIOIA

Doctor of Philosophy

For a thesis entitled: The Dynamics of Water and Aqueous Ions in Cementitious Material

Arifah ABDU RAHAMAN

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: Classical novae with imposed-diffusive mixing

Arman ARYAEIPOUR

For a thesis entitled: Charge Transport of Lead Halide Perovskites for Solid State Radiation Detectors

Stephanie Hee-Yong BENNETT

For a thesis entitled: Non-Abelian T-Duality in Superspace

Daniele BIELLI

For a thesis entitled: Lead Halide Perovskite Nanocomposite Scintillators

Isabel Helen Balbir BRADDOCK

For a thesis entitled: Non-Markovian Dynamics of Open Quantum Systems in Structured Environments

Adam BURGESS

For a thesis entitled: Understanding the Dark Matter Halos of the Andromeda Satellites

Emily Jane Elizabeth CHARLES

For a thesis entitled: Robust Control of the Transmon Qubit for Quantum Information Processing

Max Maurice CYKIERT

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

Stephen FALCONER

For a thesis entitled: Supergravity, supersymmetry and black holes

Daniele Angelo FAROTTI

For a thesis entitled: Stellar binaries throughout the cosmos: interactions and remnants

David Douwe HENDRIKS

For a thesis entitled: Novel Materials for Stabilizing Pickering Emulsions and Their Potential Applications in Drug Delivery

Zhiwei HUANG

Faculty of Engineering and Physical Sciences AWARDS

For a thesis entitled: High Precision Measurements of Isomeric States in ^{94}Pd and ^{94}Ru

Shaheen JAZRAWI

For a thesis entitled: The effects of plasma and nuclear friction on heavy-ion fusion: an open quantum system perspective

Iain Garian LEE

For a thesis entitled: The Magellanic - Milky Way merger: Revealing deforming dark matter haloes with stellar streams

Sophia LILLEENGEN

For a thesis entitled: Investigating the Stability in Optical Properties of Portable Radiation Detector Components Through Accelerated Ageing

Kerri LOUGHNEY

For a thesis entitled: Symmetric Projection Attractor Reconstruction: Higher Dimensional Embedding and Application to ECG Signals

Jane Victoria LYLE

For a thesis entitled: Microdosimetry for Hadrontherapy: a Comprehensive Monte Carlo Study towards Clinical Applications

Jacopo MAGINI

For a thesis entitled: Traceable thermal imaging in harsh environments

Jamie MCMILLAN

For a thesis entitled: Mixed-Cation Perovskite Scintillators for X-Ray Detection

Joseph Gerard O'NEILL

For a thesis entitled: Stratification of Surfactants and Colloidal Particles in Pressure Sensitive Adhesives

Toby Robert PALMER

For a thesis entitled: Microdosimetry for hadron therapy: towards optimised beam quality characterisation

Gabriele PARISI

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

Thomas Graham PARRY

For a thesis entitled: Experimental Studies of Nuclear Reactions in Explosive Stellar Phenomena

Benjamin John REED

For a thesis entitled: Killing spinors, extensions and metric diagonalization in pseudo-Riemannian geometry

Romeo SEGNAN DALMASSO

For a thesis entitled: Effects of the Rashba Interaction in Asymmetric Narrow Gap Quantum Wells

Robert SIMMONS

For a thesis entitled: Electrical readout of orbital state transitions from fewer hydrogenic donors in silicon

Kristian STOCKBRIDGE

For a thesis entitled: Nanomaterial Enhanced Colloidal Crystals as Time-Temperature Indicators

Thomas WATERS

For a thesis entitled: Multiscale modelling of DNA point mutations: the effect of the environment and replication enzymes

Max Sputnik Claus WINOKAN

For a thesis entitled: Strings and Spins in Deformed AdS/CFT

Leander WYSS

Mechanical Engineering Sciences

Doctor of Engineering

For a thesis entitled: Investigating the Effects of Storage Conditions on Oil-Well Cement Surface Mineralogy and Slurry Hydration

Sam ABI-KHALIL

For a thesis entitled: Remote Plasma Sputtered Al-doped Zinc Oxide Thin Films: Properties and Plasma Characteristics

Beaujolais Charity BUSSELL

For a thesis entitled: High-Speed Atomic Force Microscopy for Quality Control Applications

Dhilan DEVADASAN

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

Ateeb Fareed FAROOQUI

For a thesis entitled: Development & Validation of a low-field Rheo-NMR system for coupled rheometry and MRI applications

Ugochukwu Ifeanyichukwu ISIOCHA

For a thesis entitled: Development of a near zero temperature coefficient of resistance electroceramic composite for heating applications

Victor Kitso MANISA

For a thesis entitled: Development of a Corrosion Model for Cast Iron Trunk Mains

Thomas MARSHALL

For a thesis entitled: Adhesive bonding for high-performance automotive applications

Stefan SEDONJA

For a thesis entitled: Interface Engineering of SiC Monofilaments for the Manufacture of Metal Matrix Composites

Nathan James SUTEMIRE

Doctor of Philosophy

For a thesis entitled: Nonlinear Model Predictive Control of Active Vehicle Suspension Systems

Aymen ALSHAWI

For a thesis entitled: Interaction-Aware Planning Under Uncertainty for Autonomous Driving

Salar ARBABI

For a thesis entitled: Non-Linear and Multi-Domain Modelling of a Free Piston Engine and Linear Electric Machine

Patrick BROSANAN

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

Li Juan CHAN

For a thesis entitled: Dimensional stability of fibre-reinforced deployable booms for space optics applications

Gianluca DE ZANET

For a thesis entitled: Autonomous High-Speed Overtaking in Structured Environments

Shilp DIXIT

For a thesis entitled: CFD Modelling and Analysis of Micro-scale Transcritical CO2 Scroll Expander

Yuheng DU

For a thesis entitled: For a thesis entitled: Detecting asthma, heart rate and blood pressure from rested breathing with a Pitot-boosting flowmeter

David Philip HARVEY

For a thesis entitled: Microstructure and Micromechanics of Bioinspired Composites for Next Generation Dental Crowns

Urangua JARGALSAIKHAN

For a thesis entitled: High Throughput AC Electrokinetics

Matthew Philip JOHNSON

For a thesis entitled: Design of semi-active and active suspension controllers for the enhancement of vehicle dynamics

Marco RICCO

Faculty of Engineering and Physical Sciences **AWARDS**

For a thesis entitled: Computational analysis of the performance of honeycomb labyrinth seals within a gas turbine internal air system

Mohammed Haroon SHAH

For a thesis entitled: Deep Learning for the Energy-Aware Guidance of Robots in Natural Environments

Marco VISCA

Doctor of Science

For a thesis entitled: A Contribution to the Safe Management of Radioactive Wastes

David READ

Sustainability, Civil and Environmental Engineering

Doctor of Engineering

For a thesis entitled: Supporting the adoption of improved sustainable processes across all functions of a geotechnical company

Luke Rhys DEAMER

For a thesis entitled: A data-driven Product Market System framework enabling Sustainable decision-making

Raimondo MANCINELLI

Doctor of Philosophy

For a thesis entitled: A Novel Stabiliser for Remediation of Expansive Black Cotton Soil for Road Construction

Hadi Abubakar ABBA

For a thesis entitled: Seismic Analysis and Design of Offshore Wind Turbines

Sadra AMANI

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: Contribution of Earth observation data to support SDG indicators: An analytical framework and related case studies

Ana Monica ANDRIES

For a thesis entitled: Environmental assessment for GHG minimisation at seaports using Life Cycle Assessment (LCA) approaches

Alfred BUTTIGIEG

For a thesis entitled: Assessment of Air Quality in Urban Settings in Nigeria: A Comparison of Perceptual Indicators, Causes and Management in Abuja and Enugu

Timothy Maduabuchi CHUKWU

For a thesis entitled: Welfare without growth - tackling growth dependency through the lens of adult social care

Christine Madeline CORLET WALKER

For a thesis entitled: Working Fast and Slow: Modelling Baumol's Cost Disease for a Post-Growth Economy

Benjamin Neil GALLANT

For a thesis entitled: Reducing the environmental impact of the fashion industry: An assessment of different business models

Sarah Louise Manning GRAY

For a thesis entitled: Innovation in airport infrastructure and the transition to net zero

Peter Jonathan HEMMING

For a thesis entitled: Techniques and tools to support the practical implementation of risk assessment and risk management in small drinking-water supplies

Josephine Barbara HERSCHAN

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: The Detection and Characterisation of Urban Growth from Satellite Data using a New Change Detection Method and Landscape Expansion Metric

Matthew Nigel LAWTON

For a thesis entitled: Investigation on the potential of graphene oxide based sponge for the removal of metaldehyde from water

Adela MARTIN

For a thesis entitled: Environmental education: Exploring young people's experiences of environmental programmes

Claire Emma MASCALL

For a thesis entitled: The role of hybridization on the mechanical properties of concrete

Samuel Etim NKEREUEWEM

For a thesis entitled: Life Cycle Sustainability Assessment of Electricity Generation from Municipal Solid Waste in Nigeria

Oluwaseun Olukayode NUBI

For a thesis entitled: Study of Thermal Performance Enhancement of Geothermal Energy Pile using PCM

Isaac Olaniyi OLAWOORE

For a thesis entitled: Goals for Good: Testing an intervention to reduce materialism in three European countries

Natasha Zoe PARKER

For a thesis entitled: Mortality risk assessment, vulnerability mapping and perception of heatwaves towards their management via nature-based solutions

Jeetendra SAHANI

For a thesis entitled: A study on groundwater heat pump usage for district heating/cooling

Taha SEZER

For a thesis entitled: Modelling Framework for Assessing Green Infrastructure Interventions to Simulate Air Pollutant Concentration and Urban Heat Island Effect at Urban Scale

Arvind TIWARI

For a thesis entitled: Assessing the Life Cycle Environmental Performance and Economic Costs of Composite Materials in Aircraft Applications

Minghui WU

Surrey Institute of Education

Master of Arts in Higher Education

Kathryn DOWNTON

Martin Paul HAWES

Faculty of Engineering and Physical Sciences

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.
Ganguli Shavindika JAYARATNE

The Farzin Mokhtarian Prize awarded for the best all round performance on any CVS programmes.
Anouk CEUPPENS

The MSc Advisory Board Prize awarded for the best project on any MSc full time programme in Electronic Engineering.
Aumrita PAUL

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
Chamal Anjana PERERA

The Thales Research and technology Project Prize awarded for the best project dissertation on the MSc Information Security programme
Oliver James READ

Mathematics and Physics

The AWE Prize in Radiation Physics awarded for the best overall performance on the MSc in Radiation and Environmental Protection programme
Matthew Geraint OWEN

The Glenn Knoll Prize awarded for the most outstanding performance in Radiation Physics and Radiation Measurement on any Departmental MSc programmes
Lakshmi SASI

The IPEM Medical Physics Prize awarded for the most outstanding performance in the dissertation on the Medical Physics programme
Claire Louise RAMSEY

The Mayneord Prize awarded for the best overall performance on the Medical Physics programme
Ka Nam CHUANG

The Hounsfield Prize awarded for the highest dissertation mark on the Medical Physics programme
Ka Nam CHUANG

The Ultra Electronics Energy Prize awarded for the best research dissertation on the MSc Radiation and Environmental Protection programme
Amanda WEBSTER

Sustainability, Civil and Environmental 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
Duc Nam NGUYEN

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
Hannelore SIMION-KRAUSZ

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
Ali ARZEYTOON

The Braithwaite Prize for endeavour (part time student) awarded to the student who has demonstrated particular endeavour on an MSc programme in the School of Sustainability, Civil and Environmental Engineering
Hamza Mohamed BUBTANA

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
Mian Muhammad USMAN

The Roland Clift Prize for Environment and Sustainability awarded for the best MSc dissertation on environmental management or sustainable development.
Eloise Katherine HANNEY

The VJ Tech Prize awarded for to the best performing student on the programme
Duc Nam NGUYEN

The WSP/Parson Brinkerhoff Prize awarded for the best performance in water engineering related subjects
Vanitha SILVARAJHU



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Congratulations all graduates

The staff at appleseed would like to congratulate all graduates and send you best wishes for your future adventures.

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