

FACULTY OF NATURAL, MATHEMATICAL
& ENGINEERING SCIENCES

KING'S
College
LONDON

Annual Prize Giving Ceremony 2022-23

Wednesday 29 November 2023

BVSH HOVSE



Annual Prize Giving Ceremony 2022-23

Our annual prize giving ceremony is an opportunity to celebrate the achievements and contributions of our students.

We are privileged in Natural, Mathematical & Engineering Sciences to attract talented and committed students from across the world to our portfolio of undergraduate, postgraduate taught and PhD programmes.

I would like to offer personal congratulations to all our worthy award winners this year, and very much looking forward to celebrating with you at the event.

PROFESSOR MARK FRENCH

INTERIM EXECUTIVE DEAN OF THE FACULTY OF NATURAL, MATHEMATICAL & ENGINEERING SCIENCES

Programme

15.00

Welcome and introduction

Professor Mark French, Interim Executive Dean of the Faculty of Natural, Mathematical & Engineering Sciences

Followed by the presentation of prizes

Heads of Department or departmental representatives will read out the names of the prize winners in the following order

Department of Chemistry

Professor Martin Ulmschneider

Department of Engineering

Professor Barbara Shollock

Department of Informatics

Dr Senir Dinar

Department of Mathematics

Professor Steven Gilmour

Department of Physics

Professor Ruth Gregory

We award prizes across our departments to students who have demonstrated outstanding academic achievement or contribution to the benefit of their department, the Faculty or the University. This is made possible by the generosity of many who have worked with the faculty and we thank them for their important contribution.

Some of these prizes arise out of legacies from alumni and former staff who seek to maintain their connection with us, and to support us and our students in our endeavours. Others have generously been provided by external sponsors who wish to maintain a strong link to what they believe to be some of the best students and staff in one of the UK's leading universities.



Faculty Prize winners 2022-23

Ada Lovelace Prize

The Ada Lovelace Student Prize is awarded to the student or group of students (female or male) from the Faculty of Natural, Mathematic & Engineering Sciences who has made the strongest contribution to advancing gender equality within NMES disciplines.

Awarded to

Charlotte Leong

Faculty of Natural, Mathematical & Engineering Sciences Placement Blog Prize

Awarded for strong reflection on how the student made an impact during their Placement Year, and how the experience has strongly impacted them, thus demonstrating personal and professional development.

Awarded to

First prize
Sonia Koszut
Runner up
Esther Okusanya
Runner up
Laskarina Glynou

Florence Hughes Exhibition (women's prize)

One prize is awarded annually to a woman student of the Faculties of Humanities, Life Sciences and Medicine, Natural, Mathematical & Engineering Sciences and Social Sciences and Public Policy, who, in the opinion of the awarding committee, achieved the highest standard of work in the second year of her course.

Awarded to

Sahitya Sakthivel

JELF Medal

The Jelf Medal is awarded to a student who, in the view of the Principal, has most distinguished him or herself during their undergraduate career in the university. In making the award, regard is given not only to the academic proficiency of the student, but also to their prominence in the social and athletic activities of the university.

Awarded to

Giulio Mosca Toba
Milan Singh

Layton Science Research Award

The Layton Science Research Awards are given not merely for success in passing examinations but for the best promise of aptitude and genius for original scientific work.

Awarded to

Mikolaj Deja
Shae McFadden
Michelangelo Tritto

Sambrooke Exhibition in Natural Science (Joint Honours)

The Sambrooke Exhibition in Natural Science (Joint Honours) is awarded to the student who obtains the best results during the first or second year of study on a joint honours undergraduate programme.

Awarded to

Kyan Zane Louisa

Department of Chemistry

Prize winners 2022-23

Ivor John Prize

Founded in 1985 by Mrs Margaret John in memory of her husband Dr D Ivor John to provide a prize to encourage students to raise the standard of their work, as measured by an improvement in performance in the written examinations in chemistry. The prize is open to all students taking Chemistry as the main subject for the BSc/MSci.

Awarded to

Hamza Rahman

John Millar Thomson Medal for Chemistry

Founded in 1930 to commemorate Professor John Millar Thomson, the prize is awarded to the student whose academic performance is the most distinguished in the final year of the BSc/MSci degree for which chemistry is the main subject.

Awarded to

Olukayode Ambrose Alade

McGhie Prize

Open to all students for whom Chemistry is a main subject for the BSc/MSci degree. The prize is awarded to the student who has achieved the best overall performance in organic chemistry during the second year.

Awarded to

Aaiman Bharmal

Outstanding Teaching Assistant Award

The Faculty established this annual prize to recognise excellence and share good practice. Undergraduate students nominate teaching assistants based on criteria such as engagement with students and making learning enjoyable, and this is supported by other feedback and observations from academic staff.

Awarded to

Esmé Shepherd

Roger Morris Prize

Founded in 2023 in honour of Prof. Roger Morris, one of the founding members of the revived King's chemistry department. The prize is awarded to the student who most excelled in the third year literature review project, an exercise that Roger is a great champion of.

Awarded to

Dominykas Dautoras

Samuel Smiles Prize in Chemistry

Founded in 1938 as a testimonial to Professor Samuel Smiles FRS, upon his retirement from the Darnell Chair of Chemistry. The prize is awarded at the end of each session to the student in the second year of the course for the BSc/MSci degree, for which chemistry is the main subject, whose performance is adjudged to be the most meritorious.

Awarded to

Eva Rimoldi Rudatis

Style Medal & Prize for Practical Chemistry

Founded in 1981 to commemorate the life and work of Professor D W G Style. The prize is awarded for 'excellence in practical chemistry'.

Awarded to

Neev Lawton

Victor Gold Prize for Physical Chemistry

Established in 1988 to commemorate the life and work of Professor V Gold, FRS to provide three prizes for excellence in various aspects of Chemistry for first year students.

Awarded to

Top of Year Overall
Joshua Lie
Top of Physical Chemistry 1
Kaixiang Xu
Top of General Chemistry
John Nicholas Ng

Department of Engineering

Prize winners 2022-23

Content Guru Prize for Mobile and Personal Communications

Generously provided by KCL Alumni Sean and Martin Taylor, the Content Guru prize is awarded to the student who achieved the best overall performance on the MSc in Mobile & Personal Communications.

Awarded to

Xu He

John Oriel Prize

The John Oriel Prize is awarded to the student on an undergraduate Engineering programme, who has shown most distinction in the final examination.

Awarded to

Sophie Olsson Barnekow

KCLEA Medal

The King's College London Engineers' Association Medals were founded in 1904 from contributions made by former engineering students of the College who were members of the KCLEA. The medals are awarded to the students who have most distinguished themselves in their individual final year project on an Undergraduate programme with an Engineering Component.

Awarded to

Apolline Horn

King's College Engineering Society Centenary Prize

The King's College Engineering Society Centenary Prize was founded as the result of an appeal to commemorate the Centenary of the King's College Engineering Society in 1947 to fund one or more prizes to the student or students of Engineering who have shown most distinction at the final examination after three years study in the College.

Awarded to

Lara Jaber
Sophie Olsson Barnekow

Prize for the best overall performance on the MSc in Electronic Engineering with Management

This prize is awarded to the student who achieves the best overall performance on the MSc in Electronic Engineering with Management. The award is made by the Head of the Department of Engineering on recommendation of the Programme Board of Examiners. Candidates for the prize will have been awarded an MSc with Distinction by the Faculty Board of Examiners, with an overall mark of 70 or above.

Awarded to

Aditi Laroija

Prize for the best overall performance on the MSc in Engineering with Management

This prize is awarded to the student who achieves the best overall performance on the MSc in Engineering with Management. The award is made by the Head of the Department of Engineering on recommendation of the Programme Board of Examiners. Candidates for the prize will have been awarded an MSc with Distinction by the Faculty Board of Examiners, with an overall mark of 70 or above.

Awarded to

Emmanuel De Souza

Prize for the best overall performance on the MSc in Mobile and Personal Communications

This prize is awarded to the student who achieves the best overall performance on the MSc in Mobile and Personal Communications programme. The award is made by the Head of the Department of Engineering on recommendation of the Programme Board of Examiners. Candidates for the prize will have been awarded an MSc with Distinction by the Faculty Board of Examiners, with an overall mark of 70 or above.

Awarded to
Yanning Wu

Prize for the best overall performance on the MSc in Telecommunications & Internet Technology

This prize is awarded to the student who achieves the best overall performance on the MSc in Telecommunications & Internet Technology programme. The award is made by the Head of the Department of Engineering on recommendation of the Programme Board of Examiners. Candidates for the prize will have been awarded an MSc with Distinction by the Faculty Board of Examiners, with an overall mark of 70 or above.

Awarded to
Xinyang Sun

Prize for the best overall performance on the MSc in Robotics

This prize is awarded to the student who achieves the best overall performance on the MSc in Robotics programme. The award is made by the Head of the Department of Engineering on recommendation of the Programme Board of Examiners. Candidates for the prize will have been awarded an MSc with Distinction by the Faculty Board of Examiners, with an overall mark of 70 or above.

Awarded to
Jagoda Wojcik

Siemens Prize

The Siemens Prize was founded in 1883 by Sir Charles William Siemens DCL, FRS. The prize is awarded to the student in the field of mechanical or electronic engineering who has achieved the second highest honours aggregate marks at the end of their studies.

Awarded to
Giulio Mosca Toba

Walter Smith Prize

The Walter Smith Prize was founded in 1919 as a testimonial to Walter Smith upon his retirement to provide a prize to be awarded to the student who has most distinguished themselves in the first year of an Engineering course.

Awarded to
Chaim Schreiber

Department of Informatics

Prize winners 2022–23

Alan Fairbourn Memorial Prize

for the Most Meritorious Final Year Project

The Alan Fairbourn Memorial Prize is awarded in memory of Alan Fairbourn who was a senior lecturer in the Department of Computer Science at King's College for many years until his death in 1994. It is awarded to the student who produces the most meritorious final year project in the Department of Informatics.

Awarded to

Shae Mcfadden

Alan Turing Centenary Prize

The Alan Turing Centenary Prize is awarded to the student who has not only achieved outstanding academic performance, but also made a significant contribution to the life of the Department of Informatics and the university.

Awarded to

Nicole Lehchevska

British Computing Society Prize

The British Computing Society have generously donated this prize for students in the Department of Informatics. The Prize is awarded for the best performance in any year of the BSc/MSci Computer Science.

Awarded to

Chhavi Dhir

Charles Babbage MSc Prize

for exceptional performance across all MSc programmes in the Department of Informatics

The Charles Babbage MSc Prize is awarded to the student who gives the most outstanding performance across all of the MSc programmes in the Department of Informatics. The award commemorates the achievements of Charles Babbage, FRS who invented the first mechanical computer.

Awarded to

William Feeney

Computer Science with Management Prizes (final year)

A prize is awarded by the Department of Informatics to the student who obtains the best results during their year of study on a 'with management' undergraduate programme. The award is made on the recommendation of the Undergraduate Informatics Programme Board of Examiners.

Awarded to

Final year

Filip Kucherenkov

Second year

Anton Sirgue

First year

Rumaisa Azeem

Exceptional Contribution Award

Awarded by the Department of Informatics to an undergraduate student who has made an exceptional contribution to the academic progress of their fellow students at the end of the academic year as nominated by their fellow students.

Awarded to

Charlotte Leong

Suliman Sattar

Outstanding Teaching Assistant Award

The Faculty established this annual prize to recognise excellence and share good practice. Undergraduate students nominate teaching assistants based on criteria such as engagement with students and making learning enjoyable, and this is supported by other feedback and observations from academic staff.

Awarded to

Harry Dilnot
Liam Clark Gutiérrez
Zara Lim

Prize for best overall performance on the MSc in Data Science

This prize is awarded for the best overall performance in the MSc in Data Science programme. The award is made by the Head of the Department of Informatics on recommendation of the Programme Board of Examiners. Candidates for the prize will have been awarded an MSc with Distinction by the Faculty Board of Examiners, with an overall mark of 70 or above.

Awarded to

Debayan Roy

Prize for the best overall performance on the MSc Advanced Computing programme

This prize is awarded to the student who achieves the best overall performance on the MSc in Advanced Computing programme.

Awarded to

Marko Bracanovic

Prize for the best overall performance on the MSc in Advanced Software Engineering

This prize is awarded for the best overall performance in the MSc in Advanced Software Engineering programme. The award is made by the Head of the Department of Informatics on recommendation of the Programme Board of Examiners. Candidates for the prize will have been awarded an MSc with Distinction by the Faculty Board of Examiners, with an overall mark of 70 or above.

Awarded to

Philippos Michaelides

Prize for the best overall performance on the MSc in Artificial Intelligence

This prize is awarded to the student who achieves the best overall performance on the MSc in Artificial Intelligence programme. The award is made by the Head of the Department of Informatics on recommendation of the Programme Board of Examiners. Candidates for the prize will have been awarded an MSc with Distinction by the Faculty Board of Examiners, with an overall mark of 70 or above.

Awarded to

William Feeney

Prize for the best overall performance on the MSc in Computational Finance

This prize is awarded for the best overall performance in the MSc in Computational Finance programme. The award is made by the Head of the Department of Informatics on recommendation of the Programme Board of Examiners. Candidates for the prize will have been awarded an MSc with Distinction by the Faculty Board of Examiners, with an overall mark of 70 or above.

Awarded to

Kenza Amira

Prize for the best overall performance on the MSc in Cyber Security

This prize is awarded for the best overall performance in the MSc in Cyber Security programme. The award is made by the Head of the Department of Informatics on recommendation of the Programme Board of Examiners. Candidates for the prize will have been awarded an MSc with Distinction by the Faculty Board of Examiners, with an overall mark of 70 or above.

Awarded to
Selim Alastra

Prize for the best overall result for examined units across all of the MSc programmes in the Department of Informatics

This prize is awarded to the student(s) who obtains the best overall result for examined units across all of the MSc programmes in the Department of Informatics.

Awarded to
Thomas Potter

Sambrooke Exhibition in Natural Science (Computing)

The Sambrooke Exhibition in Natural Science (Computing) is awarded to the student who obtains the best results during the first or second year of study on an undergraduate programme in the Department of Informatics.

Awarded to
Luca Boccardo

Springer Nature Prize

The Springer Nature Prize is generously funded by Springer Nature and is awarded for the best performance by a third year MSci student in the Department of Informatics.

Awarded to
Michael Trent

Undergraduate Informatics BSc Finalist Prize

This prize is awarded for the best performance during the final year of the BSc Computer Science programmes in the Department of Informatics.

Awarded to
Harry Dilnot

Undergraduate Informatics MSci Year 4 Prize

This prize is awarded for the best performance during the fourth year of an MSci programme in the Department of Informatics.

Awarded to
Matteo Fortier

Undergraduate Informatics Top-Performing Graduate

This prize is awarded for the best overall performance over the duration of study in the Department of Informatics for an undergraduate finalist (BSc or MSci, all programmes), calculated from the highest C-score - the weighted average of performance.

Awarded to
Mikolaj Deja

Undergraduate Informatics Year 1 or 2 Prize

This prize is awarded for the best performance during the first or second year of study on an undergraduate programme in the Department of Informatics.

Awarded to
Hari Rathod

Department of Mathematics

Prize winners 2022–23

Drew Medal and Prize

The Drew Medal and Prize was founded in 1872 by William Henry Drew MA, Professor of Mathematics 1869–82 in memory of his son Robert Middlemist Drew, who died 1870. The medal and prize are awarded to the student who has most distinguished him/herself in mathematics.

Awarded to

Lukas Lachenmayr

Drew – Second Prize

The Drew Second Prize was founded in 1872 by William Henry Drew MA, Professor of Mathematics 1869–82 in memory of his son Robert Middlemist Drew who died in 1870. The prize is awarded to the second most distinguished student in mathematics.

Awarded to

James Myles

George Bell Prize for Applied Mathematics

The George Bell Prize was established in memory of George MacDonald Bell, Professor of Applied Mathematics at King's College London 1965–88 and Emeritus Professor of Applied Mathematics in the University of London until his death in 1993. The prize is awarded for the most meritorious performance in mathematics by a third year MSci student.

Awarded to

Siavash Sadeghi

IMA Prize

The Institute of Mathematics and its Applications generously make this award to the student who achieves the best results in the final examinations of IMA recognised programmes.

Awarded to

Hafsah Mughal
Keying Xu

JG Semple Prize for the best project

The JG Semple Prize was established in memory of JG Semple, appointed Professor of Mathematics in 1936 and Head of the Department of Mathematics from 1954 until 1969. The prize is awarded to the student who produces the best project.

Awarded to

Noorul Syifaa' Binti Mustafa

John Tyrrell Prize

The John Tyrrell Prize was established by the Department of Mathematics in memory of John Tyrrell, appointed a member of the academic staff 1958–1984. The prize is awarded for the most meritorious performance in Mathematics in the first and second year of study.

Awarded to

First year
Ethan Stone
Second year
Junlin Mo

Marianne Merts Prize

Awarded for outstanding contribution to the life of the Mathematics Department. It commemorates the memory of Marianne Merts, the Senior Administrative Secretary in Mathematics who died in 1996.

Awarded to

Mattia Cicardi

Mathematics & Philosophy Prize

The Mathematics and Philosophy Prize is awarded to an outstanding non-graduating mathematics and philosophy student who is judged to be most worthy of the award.

Awarded to

Andrea Micara

Maths with Management & Finance Prize for Best Graduating Student

The Mathematics with Management & Finance Prize for Best Graduating Student is awarded for the most meritorious performance by a graduating student for the BSc in Mathematics with Management & Finance.

Awarded to
Simeng Wu

MSc Financial Mathematics Prize

The MSc Financial Mathematics Prize is awarded for the best overall performance in MSc Financial Mathematics.

Awarded to
George Tatlow

MSc Financial Mathematics Project Prize

The MSc Financial Mathematics Project Prize is awarded to the student who produces the best project in MSc Financial Mathematics. The award is made by the Head of the Department of Mathematics on the recommendation of the Programme Board of Examiners.

Awarded to
George Tatlow

MSc Mathematics Best Project Prize

The MSc Mathematics Best Project Prize is awarded to the student who produces the best project in MSc Mathematics.

Awarded to
George Clements
Sophie MacLean

MSc Mathematics Prize

The MSc Mathematics Prize is awarded for the best overall performance in MSc Mathematics.

Awarded to
Zikai Shen

Sambrooke Exhibition in Natural Science (Mathematics)

The Sambrooke Exhibition in Natural Science (Mathematics) is awarded to the student who obtains the best results during the first or second year of study on an undergraduate programme in the Department of Mathematics.

Awarded to
Jiatong He

Spackman Prize

The Spackman Prize was founded by an anonymous donor in memory of Robert Spackman, a second year student in the Department of Mathematics who died in 1975. The prize is awarded annually to the winner of a mathematical competition held in the second semester.

Awarded to
First prize
Tiankai Ren
Second prize
Tanya Anita Koren
Third prize
Joshua Haholongan
Jiatong He

Wynne-Roberts Prize

This prize was established in 2014 through a gift to the London University Convocation Trust by Ms Joan Mary Wynne-Roberts. The prize is awarded to the best overall performance in the MSci Mathematics programme by a graduating student.

Awarded to
Jake Belton
Siavash Sadeghi

Department of Physics

Prize winners 2022–23

Alan Michette Prize

The Prize was established in 2015 to commemorate Professor Alan Michette, a long-standing member of the Department of Physics and acting Head of Department when he unexpectedly died in May 2013. The prize is awarded to a student in physics who has contributed significantly to the outreach activities or the life of the Department of Physics.

Awarded to

Vittorio Aita

Alessandro de Vita Computational Physics Prize

The Alessandro de Vita Computational Physics Prize is awarded to a student demonstrating outstanding aptitude and enthusiasm in the field of computational physics. It commemorates a much cherished member of the Physics Department who died in 2018, and who contributed significantly to the growth of computational physics at King's.

Awarded to

Jana Bazeed

Andrewes Prize

The Andrewes Prize is awarded to the student who gives the best all round performance in the examinations taken in the second year of study.

Awarded to

Sara Toth

Dillon Prize

The Dillon Prize is awarded to the student who gives the best all round performance in the examinations taken in the first year of study.

Awarded to

Mohammed Baqer Alsadr

George Randall Wilkinson Prize (Atomic & Molecular Physics)

The George Randall Wilkinson Prizes are awarded in memory of George Randall Wilkinson who came to King's College London as an undergraduate student in 1949 and worked there until his death in 1988. One prize is given for the best performance in first year laboratory work, and the other for the best first year performance in atomic and molecular physics.

Awarded to

Atomic & Molecular Physics

Richard Platt

First year lab

Zhe Ying Chin

Josh Amesbury Prize

The Josh Amesbury Prize is awarded to a continuing undergraduate student in physics who has achieved an overall outstanding academic performance and whose studies have included a medical physics or biophysics element, as judged by the Head of the Department, following advice from the Board of Examiners. The Prize was established in 2014 through a generous gift from Brendan and Sally Amesbury in memory of their son Josh, who was a second year physics undergraduate student when he died in February 2014.

Awarded to

Sara Toth

Maxwell Prize

The Maxwell Prize commemorates James Clerk Maxwell, widely regarded as one of the world's greatest physicists, who was at King's between 1860-65. The Maxwell Prize is awarded for the best overall performance by a final year MSci student.

Awarded to

Kush Shah

Nelkon Prize

The Nelkon Prize was established by Michael Nelkon who was a student in the Department of Physics 1932-35. The Nelkon Prize is awarded for the best overall performance by a final year BSc student.

Awarded to

Peter Petkov

Perkin Elmer Prize

The Perkin Elmer Prize is awarded for the second best performance in the second year laboratory class.

Awarded to

James Cole

Sambrooke Exhibition in Natural Sciences (Physics)

The Sambrooke Exhibition in Natural Science (Physics) is awarded to the student who obtains the best results during the first or second year of study on an undergraduate programme in the Department of Physics.

Awarded to

Stephane Azar

About the Faculty of Natural, Mathematical & Engineering Sciences

The Faculty of Natural, Mathematical & Engineering Sciences has a tradition of excellence which includes high levels of research funding and a commitment to promoting the careers of women in science.

We also count six Nobel Laureates among our distinguished former staff and students, including physics graduates Professor Peter Higgs and Michael Levitt, who won Nobel Prizes for physics and chemistry respectively in 2013.

Our work crosses traditional subject boundaries, creating cutting-edge research in non-traditional disciplines that contribute towards the University's broad subject base.

We're working on fundamental problems in basic science across mathematics, physics, chemistry, computer science and engineering as well as their application to healthcare, security and many other areas.