



The Abbey

Ideas & Passions Talk Series: What a future in Engineering can do for you

9 February 2023 - 6:30pm





Schedule

6.30pm Welcome and introduction to Professor Danielle George MBE
Professor George will be inviting questions from the audience
(please raise your hand and we will get a microphone to you)

7.30pm Students are warmly invited to join breakout sessions with our engineering
guests to further explore the themes raised in the talk
Students will be directed to nearby classrooms

Refreshments will be served in the Hardcastle Hall
Students are welcome to join after the breakout sessions





Professor Danielle George MBE

Engineer, Astrophysicist and TV presenter

Danielle George is a Professor Radio Frequency Engineering and Associate Vice President at the University of Manchester. She was President of the Institution of Engineering and Technology (IET) in 2020/21. She was appointed Member of the Order of the British Empire in the 2016 Queen's honours list for services to engineering through public engagement. In 2016 she received the Royal Academy of Engineering Rooke Medal for services to engineering and in 2017 received the Harold Hartley Medal for outstanding contribution to the field of Measurement and Control.

Danielle's research is dedicated to solving one of the 14 world engineering grand challenges of the 21st century; engineering the tools for scientific discovery. Her research is delivering class-leading ultra-low noise receivers for Space and Aerospace applications. She is involved in the \$1B astronomical instrument, the Square Kilometer Array (SKA), is the UK lead for amplifiers for the \$1B Atacama Large Millimeter Array (ALMA) telescope and has worked with NASA and ESA on the development of instrumentation for researchers exploring the Big Bang.

Her passion for raising public awareness of the positive impact engineering and science has on all aspects of our everyday lives, as well as highlighting to young people the immense depth and breadth of opportunities a career in science and engineering can offer, has led to Danielle's numerous current high-profile Ambassadorial roles. She presented the 2014 Royal Institution Christmas Lectures and has delivered a number of TED and TEDx talks. Her hometown of Newcastle recognised her as a 'Great North Contemporary Great' in the 2015 Great North Culture Exhibition.



We would like to thank Professor Danielle George MBE and members of the Institute of Engineering and Technology (IET) for their support of this evening's event.

Our thanks also to the generous support of Abbey Alumnae and parents alongside members of the IET for hosting the post-talk breakout session with students.

- Poonam Gehlot - Safety Case Engineer, Cavendish Nuclear (Alumna 2010 leaver)
- Ellie Cherrill - Software Engineer, JP Morgan (Alumna 2018 leaver)
- Ellie Smith - Asset Engineer (Electrical), Network Rail (Alumna 2017 leaver)
- Lucy Reynolds - Project Manager, Jacobs (Alumna 2011 leaver)
- Gen Curd - Senior Project Leader, Moog Space & Defense Group (Alumna 2003 leaver)
- Diion Jones - Radiological Protection Consultant, Jacobs
- Brandon Fernandez - Product Engineering, Moog Space & Defense Group
- Lan Bell - Product Engineer, Moog Space & Defense Group
- Robert Durham - Senior Project Engineering Manager, Wood PLC
- Andy Collins - Senior Software Development Manager, Amazon
- Michelle Hope - Chartered Civil, Structural & Environment Engineer
- Olympia Siolou - Power System Engineer, National Grid ESO
- Leong Kit Gan - Technologist, BP
- Daniel Auty - Power System Manager, National Grid
- Stacey Carden - Product Realisation Team Lead, AWE
- Lydia Squires - AWE Graduate Programme
- India Skelt - AWE Graduate Programme
- Karen Sagar - Principal Nuclear Safety Assessment Specialist & Regional Lead of Women in Nuclear Central England

Special thanks also to Dr Abhaya Sumanasena and Kimuthu Sumanasena (Lower V)

We are delighted to welcome students and parents from schools across Reading to this event. The Abbey hosts a busy programme of Ideas + Passions talks each term.

Contact externalrelations@theabbey.co.uk to find out more about the events that are coming up in March 2023. We look forward to welcoming you back to The Abbey soon.



The Abbey