



MAKE SAFETY SEEN

The Top 50 Women in Engineering 2023



FOREWORD

Elizabeth Donnelly MSc FRSA MRAeS MINCOSE

Each year when choosing the theme for the Top 50 Women in Engineering Awards and International Women in Engineering Day, we strive to ensure that it is as diverse and inspiring as possible. That's why in 2023 our theme is Safety and Security, which encompasses everything from food security to cyber safety through to defence and fire protection.

The women in this year's WE50 list are a truly amazing group. Their work often goes unseen yet is key to keeping us all safe and secure. From the creation of a system being used to kill weeds with no chemicals, to providing safety leadership to the RNLI, the women we celebrate in these awards are all inspirational in their work.

Each year the judges are always amazed at the breadth and talent of the nominations they receive and this year's nominees more than lived up to expectations. What really struck the 2023 judges was how many of the women had overcome barriers both personally and professionally to forge a career in what is still a male-dominated environment. Alongside this they still have the time to actively champion women in the industry and provide support and mentoring for those around them. I am therefore delighted to celebrate the 2023 Top 50 Women in Engineering in this brochure.

We hope that these awards will inspire more women to get involved in engineering and show what a diverse and rewarding career it can be.

JUDGES

Lynsey Seal QFSM CEng BEng (Hons) FIFireE AMIMechE MWES

Head Judge London Fire Brigade

Lynsey is an Engineer with extensive experience in both fire regulatory safety, building regulations consultations and fire engineering. She has represented the fire service on numerous technical committees and steering groups. She is the joint lead for the LFB Fire Engineering Group and Building Design Consultation hub and is a technical subject matter expert liaising with many internal teams to provide advice and guidance.

Lynsey is a Chartered Engineer with degrees in Mechanical and Fire Engineering. She is a Fellow of the Institution of Fire Engineers and Vice Chair of their Ethics Committee. She is a STEM ambassador promoting engineering careers to young people (focus on under-represented groups) and a Member of the Women's Engineering Society. She was also the project lead for a children's book 'My mummy is a firefighter'. She has won a number of awards including the Queens Fire Service Medal for distinguished service.



Lalitha Ande

Senior Systems Engineer, Cubic

Lalitha Ande is a Chartered Electronics Engineer with over 24 years of experience in various industries, including Telecommunications, Medical, and Transportation. She holds a Bachelor of Engineering in Electronics and Communications degree from Jawaharlal Nehru Technological University, India. Her career started at the Indian Telecom Research Centre – Centre for Development of Telematics (C-DOT) where she contributed to the design of switching solutions for national telecom networks. After immigrating to the UK, she continued in the telecom field with St-Ericsson before moving to Elekta to work on control systems within radiotherapy machines. Looking to expand her horizons, she took the leap to work as a Senior Systems Engineer at Cubic Transportation Systems, designing contactless systems for various transportation authorities worldwide. With an impressively varied tech career, spanning decades, she has worked on hardware at the most granular level and on high level system design, which gives her a holistic view of the engineering discipline as a whole.

Outside of her professional work, Lalitha is passionate about encouraging women to take up Engineering careers and the diversity they can bring to this sector. In her role as a STEM volunteer, she works with local Schools and Colleges to inspire younger generations to consider STEM careers. As a mentor in the workplace, she guides budding engineers to grow their skills and seize the right opportunities. She believes, even though the engineering profession may be male-dominated, there are numerous opportunities to develop personally and professionally for women of all creeds and colour.



Eneni Bambara-Abban

Techover Foundation, 2022 IET Young Woman Engineer WES Prize Winner

Eneni Bambara-Abban is a multi award-winning robotics engineer, creative technologist, philanthropist and filmmaker. She has worked in multiple tech sectors, from developing computer vision algorithms for self-driving cars to data analysis and optimization for some of the biggest gaming apps in the World.

Since 2015 she has independently organised, self funded and contributed to over 30 coding and robotics workshops in Africa, the UK and virtually with over 1000 attendees. Recipient of the 2022 Womens Engineering society prize at the Young Woman Engineer of the Year Awards and the UK 2021 Rising Star in Tech, Eneni has gone on to win multiple awards and recognition globally. Recently she was recognised by The Institute of Engineering and Technology as an engineer that has greatly impacted the world and future of technology, alongside the likes of Steve Jobs and Elon Musk.

An advocate for diversity and inclusion, Eneni has a strong passion to demystify and eradicate the negative stereotypes about STEM and limiting societal expectations placed on young people, that deter them from pursuing technological careers. As a solution, she created The Techover Foundation, an international non-profit organization on a mission to educate, inspire & support the next generation into STEM especially those from underserved backgrounds. Through her most recent outreach program, sponsored by Arduino, she taught over 50 girls affected by Boko Haram in rural Nigeria how to build their first robot with sustainable and renewable materials.



Eneni is also the Founder of Anime and Chill, a safe and inclusive community for people interested in anime and/or gaming to come together, cosplay, watch movies, play games, and network regardless of gender, sexual orientation, or race. They have done over 30 events in the UK with over 2000 members globally and have been sponsored and supported by companies such as Manga UK, Funimation, Bandai Namco, Electronic Arts, and CrunchyRoll.



Jamie Chestnutt

Jamie was appointed as Director of Engineering and Supply at the RNLI in September 2021, having held previous roles as Technical Director at Chessington World of Adventures and Director of Engineering and Logistics in the Royal Navy for the Commando Helicopter Force. Jamie's early Royal Navy career included two years as a search and rescue pilot in Cornwall, several operational tours as an engineer and pilot, and four years as a test pilot on a broad range of military helicopters.

Jamie is extremely committed to growing and shaping talent of the future, working with the Women's Engineering Society, EngineeringUK and MakeUK nationally and regional councils and manufacturing companies locally, developing the STEM and engineering apprentice strategies for the Engineering & Supply team and RNLI.

Jamie's personal career highlight was his role in the Royal Navy as Director of Engineering and Logistics for the Commando Helicopter Force. Jamie introduced two new helicopter types to active service in the Royal Navy and in 2017, was awarded the Ed Dunning Trophy for the Most Significant Contribution to Maritime Aviation across the Royal Navy, for managing the design, safety, logistics, certification, approvals, and training of staff to send two of these aircraft to sea for the first time.



John Devlin

Programmes Director, Frazer-Nash Consultancy

John is an electrical engineer with 36 years' experience of the management of people and the delivery of projects and programmes. During that time he has worked in a variety of roles for Nuclear, Renewables, Defence and Chemical Manufacturing companies and has spent the last 19 years in consultancy. He is a passionate advocate of diversity in the workplace and was hugely impressed by the standard and quality of the nominations for this year's WE50.



Verena Hefti MBE

CEO and Founder, LeadersPlus

Verena Hefti MBE is the CEO and Founder of the award-winning Social Enterprise Leaders Plus. She set up Leaders Plus in order to support leaders with babies and young children to continue to progress their careers. Verena believes that no parent should have to choose between progressing the career they love and enjoying their young children. She stands for supporting parents to fulfil ambitious career dreams which she believes is essential to achieving gender equality at the top and closing the gender pay gap.

Verena is a self-confessed career development geek and spends a lot of her spare time reading about the science behind career progression. She won several awards for her work with Leaders Plus including the Prime Minister's Points of Light Award. She was also awarded an MBE for services to equality in 2022.

Verena is the host of the popular Big Careers, Small Children podcast which provides lots of aha moments, inspiration, fresh ideas, and practical support, to help parents move forward in their career in a way that works for them and their families.

Before Leaders Plus, Verena ran leadership development programmes and events for 10 years in Switzerland, Denmark, and the UK. Her last role before Leaders Plus was as Regional Director at Teach First, where she redesigned leadership development conferences and delivered leadership training to 400 Teach First participants. She graduated with an MA with distinction in Social Anthropology from the University of Manchester where she studied gender equality in depth.



Chrisma Jain

Transport for London, WES Trustee

Chrisma Jain graduated from the University of Leeds in 2004 with First Class Honours in Mechanical Engineering. She is a Chartered Engineer working at Transport for London as a Senior Project Manager. She mobilised and is leading a £220m rail contract to modernise and renew the track and drainage infrastructure on London's tube. Chrisma is the chair of FiTE (Females in Transport Engineering), a staff network group within Transport for London that supports over 300 women in their career progression in Engineering. She also represents Transport for London in the UK Railway Decarbonisation Committee which is led by the Permanent Way Institution.

Chrisma is an active member of the Women's Engineering Society. She has been a Trustee since 2020. Outside of WES Chrisma is a member of the Council for the Institute of Mechanical Engineering and is an IMechE Chartership assessor. Through lockdown she joined the IMechE Covid-19 Taskforce as a Lead Technical Editor. Chrisma has been recognised with several awards: She won the Top 100 Rising Star Award in Engineering from We are the City; came Highly Commended in the STEM Trailblazer Award from Baton Awards and was a Finalist in the Best Female Project Manager in 2020 & 2021 in the European WICE Awards.



Hannah

GCHQ

Hannah is GCHQ's Director for Research and Engineering. She leads a large multi-discipline, multi-location team who pioneer and run the technical capabilities that underpin British Intelligence.



Mark McBride-Wright

Equal Engineers

Mark is a recognised diversity and inclusion leader. He is the recipient of the prestigious Rooke Award in July 2022 from the Royal Academy of Engineering for his work in promoting engineering to the public, and he is a Visiting Professor of Inclusive Engineering Leadership at University College London.

He is Founder and Managing Director of EqualEngineers, a company offering a wide array of diversity & inclusion consultancy and training services, as well as creative events. Mark also founded the Equality in Engineering conference, and the Engineering Talent Awards.

Mark is also Chair and Co-Founder of InterEngineering, a non-profit industry body that connects, informs and empowers LGBT+ engineers and supporters. In recognition of his diversity work, Mark won the coveted 'Corporate Rising Star' award at the 2016 British LGBT Awards and was ranked #2 in the 2015 Financial Times Future LGBT Leaders list (#6 in 2016).



Emily Spearman

BP, WES Trustee

Emily Spearman is Head of Technology and Methodology in Offshore Wind Engineering at bp. She is responsible for building a team covering; technology; innovation; R&D; engineering quality and methodology; technical certification; and safe by design. Part of the Engineering Senior Leadership team, Emily is part of building and delivering the global engineering strategy for bp Offshore Wind.

Prior to bp Emily spent 10 years with Orsted including as Regional Director for QHSE UK and Head of PMO (Portfolio Management Office) which involved overseeing the global portfolio of QHSE projects. A far cry from her first role as an engineer working on offshore oil rigs in the North Sea.

Alongside her busy career, and a mum of two young children, Emily dedicates her time to making positive changes for others. She is a Trustee of the Energy Institute and Chair of Professional Affairs Committee. Emily is an active mentor supporting engineers seeking Chartership. She is a public speaker and champions the amazing opportunities in engineering to students of all ages and has been invited to speak at high-level roundtables (Green Jobs Taskforce) with BEIS. Emily has founded STEM Champion Networks and STEM Returners programmes for the organisations she is involved with.

Emily, a Chartered Energy Engineer, Fellow with the Energy Institute and Women's Engineering Society. She won the Women's Engineering Society Karen Burt award for 'most outstanding newly chartered engineer' in 2008. In 2020 she was highly commended in the WES Top 50 Women in Engineering: Sustainability and in 2021 was a finalist for Engineer of the Year with EqualEngineers.

Joanna Vezey BEng (Hons) MSt CEng MICE

Technical Director, Europe

Joanna leads Laing O'Rourke's Technical Function in Europe and her remit encompasses all fields of engineering and technical delivery across the whole project life cycle.



She has over 20 years' industry experience, spending over a decade with Laing O'Rourke working in both Australia and the UK. Her experience ranges from delivering large complex rail infrastructure projects to Design Leadership and, prior to becoming the Technical Director in September 2019, heading the People Function in Europe.

She studied Environmental Engineering at Southampton University and attained a Master's in Construction Engineering from the University of Cambridge where she won the Laing O'Rourke Queens' College Prize for her research 'The Effect of Autonomy on Wellbeing in a Highly Constrained Construction Environment' which was inspired from her fundamental belief that industry success will come from enabling people to be at their best and perform through well designed working practices.

She is also a Trustee for the Lighthouse Construction Industry Charity which is the only charity supporting construction industry workers and families with emotional, physical and financial wellbeing support.



Jason Watson-Massey

Leonardo

Jason Watson-Massey is Head of Systems Engineering, Leonardo UK based in Edinburgh UK. He studied at Loughborough University and has a MEng in Systems Engineering.

Jason has held several roles leading engineering development of a number of projects, including the Raven, Seaspray and Typhoon Radars. He has also led product development on the Osprey Radar as a project manager and successfully managed deliveries to multiple customers around the world.

Jason is passionate about developing people within a context of inclusiveness and equality. This has led to Jason being a finalist in Women's Engineering Society (WES) Men as Allies Award in 2021. Jason is currently the Secretary of the Equalise Network - a group that has been set up to support the development and engagement of a gender-balanced workforce within Leonardo across the UK.



Louise Whiting

Safety and Reliability Society

Louise Whiting has worked in operating oil and gas majors for over 11 years starting her career in BP in the UK and progressing to Shell in various locations including Iraq. During that time, she has demonstrated strong personal commitment to personal development first in process engineering gaining chartership with IChemE in 2013, followed by Shell technical safety technical authority (level 2) qualification in 2015 and Professional Process Safety Engineer with the IChemE in 2018. In 2019 Louise set up Barberton Limited which provides risk management solutions with a practical perspective and has transitioned to Deedah PSM to deliver services. Louise is passionate about education which defines her contribution to SaRS as Fellow, STEM ambassador, Governor at her local primary School, guest lecturer at Imperial College in Safety and Loss Prevention, facilitator for technical courses with the IChemE and author of free articles on LinkedIn.

Louise continues to be committed to the development of safety resources and in 2022 became the chair of the Safety and Reliability Society as well as the membership chair. In 2022 Louise also joined the Hazards Conference Technical Committee.

Make Safety Seen: The top 50 women in engineering – the full list for 2023

Women's Engineering Society founded The Top 50 Women in Engineering Awards (WE50) in 2016 to showcase the diversity of women engineers making a difference to people's lives. The awards are announced each year on 23 June which is International Women In Engineering Day (INWED) a campaign started by WES to raise the profile of Women Engineer's around the world. Each year WES chooses a different theme for the WE50 and INWED and for 2023 the theme for the WE50 was Safety and Security. This year's awards are held in association with Power Engineering International.



Chisom Akujobi-Ezeonyeka

Power Electronics and Systems Engineer, Rootwave Ltd.

Chisom Akujobi-Ezeonyeka, the only female engineer at Rootwave, has created a safe and eco-friendly alternative to herbicides by designing a power electronics system that kills weeds using electricity and zero chemicals. She is also a STEM Ambassador, actively encouraging girls and women to pursue STEM careers.



Mary Allan

Principal Radiation Protection Scientist and Head of Profession, Atomic Weapons Establishment (AWE)

Mary Allan is a respected radiation protection expert who ensures safety and compliance in operations across multiple sectors. Allan is committed to aiding the development of radiation protection professionals and has addressed gender balance at the highest level by successfully nominating senior women for Fellowship at the Society for Radiological Protection.



Sarah Bailey

Hardware Engineer, Leonardo

In her role at Leonardo, Sarah Bailey assesses the sustainability, reliability and compliance of defence systems. Many of these play a role in protecting MoD aircraft and personnel. Bailey also commits a considerable amount of time to outreach work, promoting STEM to the next generation and empowering young girls and women to pursue engineering.



Niamh Barker

Graduate Engineer, Arup

Niamh Barker, a rising star at Arup, fearlessly tackles challenging security issues and develops innovative, risk-based solutions. She was solely responsible for developing a process to assess crime within a railway threat assessment, which has elevated Arup's contribution to the field. Barker's commitment to sustainability and the security and safety of individuals set her apart.



Dr Beth Barnes

Assistant Professor in Engineering, Durham University

Dr Beth Barnes is the youngest Assistant Professor in Engineering at Durham University. Her research models human behaviour in emergency scenarios and has exposed flaws in evacuation simulations. As such, she advocates for more inclusive and climate-responsive approaches. Barnes also actively challenges gender stereotypes and promotes diversity in the energy industry through a WES university group and local outreach activity.



Sholeh Behzadpour-Shaw

Senior Engineer Industrial Cyber, Heathrow Airport Ltd.

Sholeh Behzadpour-Shaw plays a critical role in managing risk, investment and cyber compliance for the engineering critical systems at Heathrow Airport. She fosters collaboration by bridging the gap between IT and engineering and upskilling colleagues. Behzadpour-Shaw is also dedicated to outreach, supporting STEM programmes and empowering women in the field through mentoring and engagement activities.



Dr Marzia Bolpagni

Associate Director – Head of BIM International, Mace

Dr Marzia Bolpagni is a pioneering civil engineer with expertise in digital construction. She has published groundbreaking work on AI, blockchain and cybersecurity in the construction industry, and influenced European and UK standards. Bolpagni is an internationally recognised role model for women in engineering, who she actively supports through mentoring.



Sue Caccavone

Operations Manager – Asset Management, Binnies (UK) Ltd.

With an impressive career of over 25 years, Sue Caccavone has been a champion for women in engineering and made significant contributions to safety and security in various roles. Her personal highlight is providing safety leadership to the RNLI for a lifeboat station construction and refurbishment project.



Caroline

GCHQ

In Caroline's impressive 22-year career at GCHQ, she has spearheaded significant advancements in data standardisation, knowledge sharing and the adoption of cloud-based architecture to future-proof national security. She is a dedicated advocate for equality, empowering women to pursue careers in technology through her leadership.



Patrizia Carpentieri

Principal Blast Engineer, Arup

Patrizia Carpentieri plays a crucial role in protecting the public from terrorism and security threats. Her recent work on a confidential rail project involved developing strategies to mitigate vehicles as weapon threats. Carpentieri also volunteers with Braking Barriers, a charity that helps refugees with engineering backgrounds to find employment in the UK.



Kelly Cary

Managing Consultant – Transport Planning, Atkins

Kelly Cary played a key role in the publication of the groundbreaking report "Getting Home Safely," which addresses safety challenges faced by women travelling alone. The report led to the creation of an innovative toolkit to enhance safety in public spaces. Cary also drives equality efforts by providing mentorship and support to her colleagues.



Dr Clara Cheung

Senior Lecturer in Mechanical, Aerospace and Civil Engineering, University of Manchester

Dr Clara Cheung has made remarkable contributions to occupational safety and health (OSH) in construction. She developed a multi-disciplinary approach to design innovative and practical solutions for complex OSH problems, and her work during the pandemic earned her team an innovation award for reducing COVID-19 transmission risks on construction sites.



Sarah Clark

Head of Technology Centre, Atomic Weapons Establishment (AWE)

Sarah Clark leads a team of 500 people and is accountable for the safe operation and delivery of AWE programmes, including its largest operational nuclear facility. She worked abroad to license the Hinkley Point C nuclear reactor, but returned to the UK to lead teams in complex, safety critical facilities and ensure safe operation.



Natasha Dunkinson

Aerospace Engineering Degree Apprentice, BAE Systems

Natasha Dunkinson has a passion for achieving net zero and has worked on projects related to carbon emissions and environmental goals at BAE Systems. She recently completed a dissertation focused on safe applications and qualifications in military engineering. Her dedication and contributions have been recognised with awards.



Jennifer Edwards

Senior Systems Engineer, UK Space Agency

Despite her non-traditional engineering background in astrophysics, Jennifer Edwards achieved Chartership with the Engineering Council at a young age and now leads key technical responsibilities for complex engineering systems. Her current role focuses on space sustainability and achieving net zero. Edwards has also been instrumental in developing STEM outreach programmes, reaching thousands of children across the UK.



Verena Fernandes

Senior Civil Engineer, Wokingham Borough Council

Verena Fernandes tackles the complexities of working in local government to design inclusive projects, understanding that feelings of safety mean different things to different people. She also advocates for women in construction. She chairs the ICE Thames Valley Early Career Network and recently did a takeover for the SheBuilds Instagram account.



Dr Nicolette Formosa

Senior Research Engineer in Technology, National Highways

Not just an engineer, Dr Nicolette Formosa is a mentor, role model and voice for change. She champions the inclusion of women's perspectives in decision-making processes, recognising their valuable contributions to developing effective safety measures. Her advocacy for embracing accents and multiple languages has empowered others to embrace their unique identities and pursue opportunities.



Mariella Gallo

Associate Director Arup Resilience Security and Risk, Arup

In a leadership position at Arup, Mariella Gallo makes a difference for female team members, ensuring they are not overlooked in a male-dominated workplace. Particularly young mothers who feel they may be perceived as less committed. Gallo is an accomplished blast engineer who has led the security protective design for some key UK projects.



Charlotte Goodwill

CEO, Institute of Telecommunications Professionals

Charlotte Goodwill demonstrated incredible fortitude and growth when she stepped up to lead the Institute of Telecommunications Professionals after the sudden passing of the previous CEO. She is passionate about challenging perceptions, closing the skills gap, and attracting more women to traditionally male-dominated roles like cyber security.



Ana Gorgyan

Director of Engineering, Independent Power Corporation PLC

Ana Gorgyan's journey in electrical engineering has been marked by gender disparities and stereotypes, but she has proven herself by excelling in her field. Managing power generation sites, she prioritises health and safety, implementing stringent rules to ensure worker protection even in challenging climates.



Sally Hall

Senior Engineer, Frazer-Nash Consultancy

Sally Hall's expertise in electrical, control and instrumentation engineering has contributed to important safety-oriented projects. She worked on the design, coding and testing of the European Spallation Source Radiological Safety System, ensuring safe disposal of highly radioactive waste. Hall also founded a mentoring programme for women and other under-represented groups at Frazer-Nash.



Amina Hamoud

Lecturer in Systems Engineering, University of West of England

Amina Hamoud's research focuses on ensuring the safety of autonomous vehicles and other critical systems through real-time object detection algorithms using machine learning. She is actively involved in promoting diversity in engineering as a member of the Association for Black and Minority Ethnic Engineers and an ambassador for the Queen Elizabeth Prize for Engineering.



Laura Hoang

Senior Human Factors Engineering Consultant, Environmental Resources Management Ltd

Laura Hoang is an award-winning engineer, specialising in safety and sustainable operations. She has extensive experience in designing safety solutions and integrating social responsibility into high-risk sectors. Hoang is a passionate advocate for diversity and inclusion and strives to be a visible role model by mentoring and supporting women and minorities.



Lauren Jenkins

Engineering Capacity Lead, Defence Equipment and Support

Lauren Jenkins' work helps minimise the impact the weapons domain has on the environment. As the youngest and only female engineer in her department to receive a Letter of Safety Authority, she has taken legal responsibility for safety in the defence sector. She shares her passion for engineering as a Girl Guide Leader.



Svetlana Joao

Structural Engineer and ICE President Future Leader, Institution of Civil Engineers

Recognised as one of the prestigious President's Future Leaders 2023 by the Institution of Civil Engineers (ICE), Svetlana Joao stands out among her peers. She is an accomplished structural engineer who designed the West Ruislip Portal for HS2, ensuring the safety of construction teams and passengers.



Emma Johnsén

Personal Care R&E Director, Europe, Middle East & Africa, Kimberly-Clark

Emma Johnsén is a passionate chemical engineer whose leadership in the feminine care sector aims to address the challenges of menstrual stigma, accessibility and sustainability, going beyond technical specifications to empower women. As the R&E Director at Kimberly-Clark, she successfully expanded the business, launched new products, and supported social programmes for girls.



Laura Joryeff

Principal (Engineering Safety) Consultant, Corporate Risk Associates (CRA)

With a background in chemical engineering, Laura Joryeff has gained expertise in process safety and contributed to various projects supporting the transition to a net-zero energy future. As the ED&I Lead at CRA, Joryeff is dedicated to breaking stereotypes, and actively contributes to STEM outreach and mentoring programmes.



Eleni Kastrisiou

Engineer, Arup

Eleni Kastrisiou has proved that language and gender are not barriers to success. As a Site Engineer for HS2 she prioritises safety, manages risks and promotes inclusivity. Kastrisiou recently led an internal Arup-funded project to create a climate inception template for early project stages, which identifies areas where sustainable intervention and innovation can make a difference.



Susan Khan

Head of Hardware Engineering, Thales Ground Transportation Systems

Susan Khan has shown that it's possible to balance motherhood, a pandemic and other family commitments to become an accomplished and respected engineer. She demonstrates exceptional leadership skills and commitment to safe project delivery. Khan is also determined to address the gender balance through the empowerment and support of female engineers.



Holli Kimble

Chief Engineer, Defence Equipment and Support

Holli Kimble plays a crucial role in developing safe and innovative Directed Energy Weapons (DEW) for the UK Ministry of Defence. She commissioned a carbon footprint study for DEW to help understand how carbon can be reduced early in the development process. She also champions early career professionals and combines her technical expertise with humanitarian efforts.



Dr Eluned Lewis

Team Leader Survivability, QinetiQ Defence and Security

Dr Eluned Lewis has made significant contributions to the safety of police and military personnel by improving protective equipment. Her expertise in body armour has resulted in updated safety standards, increased wearer rates, and saved lives. She advocates widely and tirelessly to improve military equipment for women using the mantra 'women are not small men'.



Dr Salmabanu Luhar

Marie Skłodowska-Curie Postdoctoral Fellow (UK Research and Innovation), University of Sheffield

Dr Salmabanu Luhar's research focuses on developing cleaner, safer, and more durable building materials. She is committed to creating a safer world through circular economy principles, reducing carbon footprints and promoting waste management. She is widely published, has received many accolades and is an advocate for women in STEM.



Jennifer Maher

Principal Mechanical Engineer, Sellafield Ltd.

Jennifer Maher leads a team that develops solutions for handling nuclear waste in Western Europe's most hazardous buildings. After becoming a mother, she overcame biases to become a leading engineer who expertly tackles legacy problems in the energy sector and whose efforts contribute to the UK's net zero targets.



Elena Martin Fernandes

Principal Highways Engineer, Waterman Aspen

Elena Martin Fernandes is a highways engineer who challenges traditional car-focused designs to ensure transport infrastructure is inclusive of pedestrians, cyclists and other users. She has worked on environmental mitigation, sustainable drainage, cycle routes and bus rapid transits. Martin Fernandes also gives STEM presentations at schools on how to challenge the "normal", even when you think no one is listening.



Guilia Marzetti

Senior Carbon Management Consultant, Mott MacDonald

As an advocate for safety and sustainability, Guilia Marzetti combines her expertise in engineering and policymaking to address the challenges of climate change. From leading the technical verification of hydrogen storage designs to creating system assurance cases for iconic projects, Marzetti now applies her expertise to climate change mitigation and adaptation.



Jenny McLaughlin

Project Manager, Heathrow Airport Ltd.

Jenny McLaughlin has pioneered the importance of accessibility on construction sites at Heathrow, implementing standards and strategies to promote equitable safety. She led a PPE refresh project, which improved the design of safety boots for women through foot scanning and insoles, and she actively participates in cross-industry working groups to encourage human-centred design and inclusivity.



Krishna Mistry

Body Engineering Programme Lead, Volta Trucks

At Volta Trucks, Krishna Mistry is driving the transition to zero emissions in the commercial industry. She manages all body engineering content in the development of the first ever purpose-built fully electric truck, and has reimagined truck design principles to prioritise safety, visibility and driver protection.



Faith Natukunda

System Capability Manager, National Grid ESO

Faith Natukunda has overcome cultural barriers to lead a team that identifies the future needs of the UK's electricity transmission network in order to meet net zero goals. She is a founding member of the CIGRE UK Women's Network, where she emphasises the importance of a safe and supportive work environment that embraces diversity.



Titilola Oliyide

Senior Process Safety Engineer, Supercritical Solutions

Titilola Oliyide plays a vital role in developing green hydrogen production technology. She leads hazard identification workshops, ensures fail-safe system design, and provides technical expertise. In addition, she passionately volunteers her time to STEM outreach programmes, mentoring PhD students and inspiring young girls to pursue engineering careers.



Stacey Peel

Director, Arup

A global leader and influencer in aviation security, Stacey Peel has led the way as an innovator and thought leader. Peel's pioneering work has earned her prominent roles on international committees, and she was the first female Regional Aviation Security Officer employed by the United Nations Agency International Civil Aviation Organisation. Peel has inspired other women both through mentorship and in driving cultural change.



Claire Price

Associate Director, WSP UK

Claire Price leads projects that reduce risk in designs for the waste sector and provides safety advice on numerous UK infrastructure projects, including the UK's first hydrogen pipeline and the UK's first lithium refinery. Price also actively supports women in STEM and advocates for improved maternity leave support.



Caroline Roche

Senior Engineer, Capula Ltd.

Caroline Roche's expertise lies in software development for nuclear control systems, where safety and security are paramount. Her work has been recognised for delivering complex decommissioning projects in the safest manner. As an active STEM ambassador and mentor, Roche strives to create a diverse and inclusive engineering community while chairing her company's Women's Network.



Anne Seldon

Chief Engineer – Product Safety & Compliance, WAE Technologies

Despite facing mental health challenges and academic setbacks, the resilience and determination gained from those experiences have propelled Anne Seldon's successful career. She has contributed to aviation safety through software development and improved designs in electrical power systems. Seldon now focuses on decarbonisation, and actively mentors young women while advocating for workplace equality.



Nikita Shetti

Payload System Engineer, Airbus Defence and Space

Nikita Shetti champions safety and sustainability in her work on satellite projects, including the development of secure Mobile Satellite Services. She has helped to make sites safer and greener by introducing reusable personal protective equipment, and actively engages in outreach activities, leading space workshops in schools and advocating for diversity and inclusion.



Professor Nicola Symonds

Director, nC² Engineering Consultancy, University of Southampton

From leading aviation forensics to establishing a successful consultancy unit, Professor Nicola Symonds has become a renowned expert in failure analysis. Symonds' commitment to a family-friendly working environment and her efforts in outreach activities contribute to promoting diversity in STEM. Symonds was awarded the title of Professorial Fellow Enterprise in recognition of her achievements.



Joanne Turner

Project Director, Amey Consulting

Joanne Turner drives a culture of safety and accessibility at Amey. She has created safe and sustainable neighbourhoods through improved place making, street design and urban drainage solutions, and has implemented safety procedures for trunk road improvement projects. Turner also champions initiatives to attract and retain women in engineering.



Shiyao Wang

Computer Vision Engineer, Intel Corporation

Shiyao Wang, an accomplished FPGA/ASIC engineer, excels in developing innovative engineering solutions for automotive applications. She leads the development of advanced Drive-on-Chip designs for electric vehicles, including one of the highest control speed designs currently on the market. Wang is also a passionate advocate for women in engineering and provides valuable guidance through mentoring.



Roshni Wijesekera

Senior Fire Engineer, The Fire Surgery Limited

Roshni Wijesekera specialises in developing fire strategies for heritage buildings, improving safety without compromising historic features. She is a founding member of SheCanEngineer, which creates collaboration amongst Professional Engineering Institutions to promote gender diversity in engineering. Wijesekera was instrumental in The Fire Surgery winning Best SME for diversity at the Engineering Talent Awards 2021.



Catherine Wood

Maintain Design Integrity Group Lead, EDF Energy

Catherine Wood has supported the safe running of the existing UK nuclear fleet and helped provide the next generation of reactors on the Hinkley Point C and Sizewell C projects. She is a role model for young women at EDF and was awarded the 'Coach of the Year Award' in 2022.



Louise Wood

Senior LEV Engineer, Airducts Design Ltd & Airducts Engineering Ltd.

Louise Wood is passionate about protecting people's respiratory health and maintaining clean air in workplaces. She focuses on the design and evaluation of Local Exhaust Ventilation systems, ensuring compliance with safety regulations and minimising exposure to hazardous dust and fumes. She also actively participates in STEM activities and mentors female apprentices.

WE5 

**CONGRATULATIONS
TO ALL
50 WINNERS**

Thank You

Thank you to Power Engineering for sponsoring this year's WE50 Awards.



Kelvin Ross, Editor-in-Chief of Power Engineering International which is sponsoring the WE50, said:

"We are delighted and proud to support WE50 on International Women in Engineering Day.

"Power Engineering is a year-round advocate for women in engineering, however, days like International Women in Engineering Day and awards like WE50 are vital to shine a spotlight on the opportunities for women in engineering and highlight why girls in school and college should seize those opportunities.

We cover the energy transition in detail, yet that shift to a net zero future must also be a just transition, and diversity and equality are key pillars of that transition."

Thank You

Thank you to Ball, lead sponsor of International Women in Engineering Day 2023.



Ball Corporation said of their sponsorship:

“INWED embodies our vision, amplifies our voice and allows us to celebrate diversity, therefore we are delighted and privileged to be sponsoring INWED 2023. Since commencing our ambitious journey on becoming as diverse and inclusive as possible; having more female talent in all areas of our business, especially as engineers – has not only resulted in a richer, more productive and innovative workplace, but helps us attract the best talent from all corners of the planet, motivated and enthused by our authentically diverse voice and unique culture of true belonging. Ball’s success is built on an increasingly diverse workforce.”

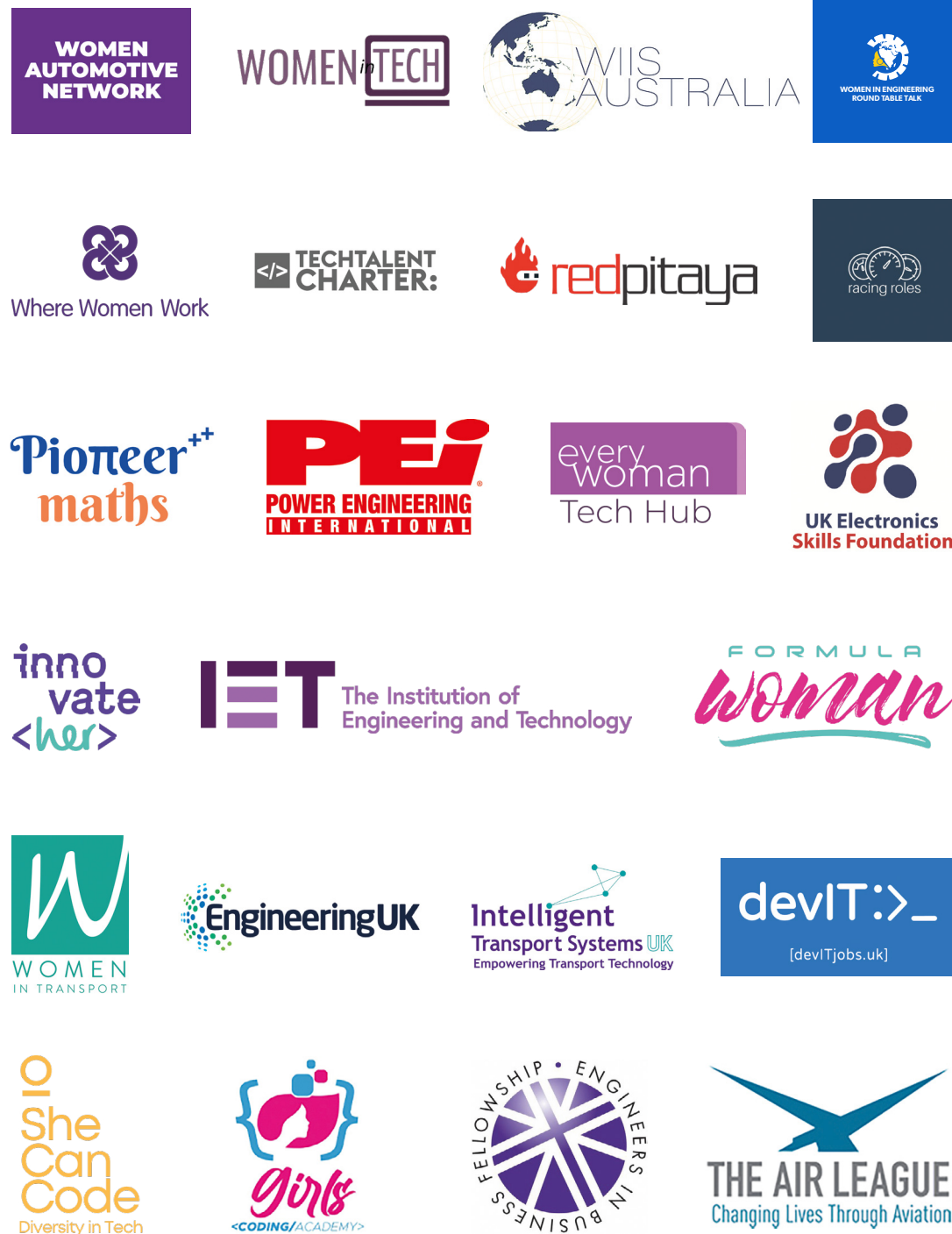
Thank You

Thank you to the generous sponsors supporting International Women in Engineering Day 2023.



Thank You

Thank you to the community partners supporting International Women in Engineering Day 2023



Our mission: Supporting women to fulfil their potential and supporting organisations to be more inclusive

The Women's Engineering Society is a non-profit organisation, dedicated to gender parity, equality and diversity in engineering. We work tirelessly to bring more women into engineering and make it a sector that they can be proud to work in.

We'd love you to join us, either as an individual member, partner company or sponsor of one of our key events during the year. To find out more about how to get involved as a member, partner or sponsor, visit our website or email comms@wes.org.uk.

www.wes.org.uk





**CONGRATULATIONS
TO ALL
50 WINNERS**



The Women's Engineering Society
www.wes.org.uk
Charity number 1008913