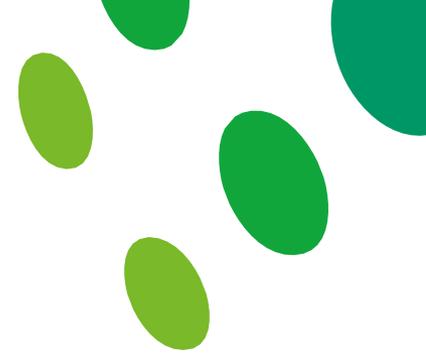




Volunteering Programme

A practical guide for employers, universities, HR and
Corporate Social Responsibility specialists

@_EngineeringUK



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Who we are

EngineeringUK is a not-for-profit organisation which works in partnership with the engineering community to inspire tomorrow's engineers and increase the talent pipeline into engineering

We work:

- Locally, regionally and nationally
- With business and industry, education, professional institutions and third sector
- In partnership

Our funding:

- Professional registration fees of individual engineers
- Businesses, trusts and foundations
- Corporate membership

“We want to help you to develop an approach to employer supported volunteering that creates shared value for individuals, the STEM community and your organisation.”

**Elena Laguna, Volunteer Manager,
EngineeringUK**

Our programmes



We aim to inspire, engage and inform the next generation of engineers via programmes designed to excite them about careers in engineering and give them the chance to meet people already working as engineers.

Big Bang

- [The Big Bang UK Young Scientists & Engineers Fair](#)
- [The Big Bang Competition](#)
- [Big Bang Near Me](#)

Tomorrow's Engineers

- [Tomorrow's Engineers Energy Quest](#)
- [Tomorrow's Engineers EEP Robotics Challenge](#)



Our volunteering programme

Our volunteers support our work in many ways, from judging student projects and offering careers support to delivering hands-on activities that inspire young people and help develop their interest in STEM subjects.

We work closely with our volunteers:

- **Recruitment** – ensuring that our opportunities are diverse and match the suitable candidates.
- **Training** – giving our volunteers the skills and the knowledge so that they feel confident and supported to perform their role.
- **Onsite support** – supervising our volunteers and ensuring that they get the most out of their roles.
- **Engagement** – communicating with our volunteers prior to our events and sharing relevant and timely information.
- **Recognition** – celebrating our volunteers' achievements during the annual Volunteers' Week.



“Our volunteers are massively important to EngineeringUK and the young people we support. They act as shining examples of STEM specialists in the market today, igniting passion and inspiration in our young people.”

[Read the interview with Elena >](#)

Celebrating our volunteers' achievements

Volunteers' Week 2018 – 'Volunteering for all'

Volunteers are integral to the success of our programmes and we couldn't do what we do without them. During the 2018 Volunteers' Week we celebrated their incredible contribution at our first **Volunteer Awards Ceremony** at the IET Birmingham: Austin Court.

63 STEM professionals and student volunteers attended, including many from our corporate members:



National Grid, Rolls-Royce, Airbus, Jaguar Land Rover and Network Rail.

All attendees had given up their time to volunteer with us, inspiring young people about the great STEM opportunities available and bringing classroom learning to life.

[Read more about the event >](#)

“Thanks for a lovely evening, it was great to see the pride the award recipients had in their contribution to fostering and nurturing enthusiasm for engineering in the next generation of engineers.”

Mark Glover, Rolls-Royce



Volunteering at The Big Bang Fair

The Big Bang UK Young Scientists & Engineers Fair 2019 will take place 13-16 March at the NEC, Birmingham



[Watch the video](#)

Team leaders

We look for individuals who would like to develop their leadership, organisational and people management skills.

This is a role for people who can inspire and motivate others, enhancing their performance at The Big Bang Fair.

Would you like to find out more about the requirements, main responsibilities and skills for this role?

[View the Role Description here >](#)



"It's good experience, good for a CV and promoting your career."

Gemma Staite
Biomedical Scientist,
Volunteer Team Leader



The Big Bang
UK Young Scientists & Engineers Fair

Event management

This is an exciting opportunity for a motivated individual looking to support a large-scale event within a busy and fun environment and team.

The roles:

- **Events volunteer**
- **Activities volunteer**

Would you like to find out more about the main responsibilities and skills for these roles?

[View the Role Descriptions here >](#)



“Understanding young people and supporting them is a key to our future success in science and engineering and The Big Bang Fair offered a great opportunity to help me gain some of that experience.”

Puja Hazlehurst
Mechanical Engineer, STEM Inspirational
Volunteer & Activities Volunteer



The Big Bang
UK Young Scientists & Engineers Fair

Careers

This is an exciting opportunity for a motivated individual looking to inspire our young visitors, interacting with them about STEM careers in a fun and informal way.

The roles:

- **STEM Inspiration at Meet the Future You**
- **Careers Captain**

Would you like to find out more about the main responsibilities and skills for these roles?

[View the Role Descriptions here >](#)



"If you're thinking of STEM volunteering, The Big Bang Fair is THE place to be"

Álvaro Rojas Zamora
Aeronautical Engineer/
STEM Inspiration Volunteer



The Big Bang
UK Young Scientists & Engineers Fair

The Big Bang Competition



As a judge of the Big Bang UK Young Scientists & Engineers Competition you'll celebrate and assess the Big Bang Competition finalist projects in your area of STEM expertise.

The roles

- **Online judge**
- **Volunteer Judge**

Would you like to find out more about the main responsibilities and skills for these roles?

[View the Role Descriptions here >](#)



"The overall experience was amazingly uplifting. I attended thinking I would inspire others but in fact the reverse happened and I came away inspired by the creativity and technical ability of our young people."

Ken Mollison
Control Engineer/ Company Director
Competition Judge & Careers Captain



The Big Bang
UK Young Scientists & Engineers Fair



Volunteering at the Robotics Challenge

The Tomorrow's Engineers EEP Robotics Challenge takes place from January – March 2019 in over 20 locations across the UK.



[Watch the video](#)

Roles

Robotics volunteers help make the day truly exciting and memorable for the students. We want young people to leave feeling inspired about engineering and STEM, volunteers are a big part of making that happen.

The roles:

- **Support volunteer**
- **Volunteer judge**

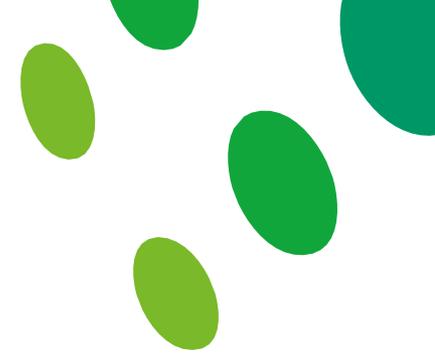
According to our last volunteer survey, 97% of the volunteers are likely to recommend volunteering for the Robotics Challenge to a friend or colleague.

Would you like to find out more?

[View the Role Description here >](#)

“Volunteering as a judge was a wonderful experience, greatly exceeding my expectations. All the staff were extremely helpful throughout the process.”

**Alexandra Richards,
Network Rail**



Regional events 2019



Northern Ireland	Bristol	Derby
Glasgow	Bury St Edmunds	Cosford
Edinburgh	Southampton	Warwickshire
Dundee	Kent	Lancashire
Newcastle	London	Manchester
Cardiff	Doncaster	Merseyside
Cornwall		North Wales

Benefits of volunteering

To find out more about how you can develop a skills-based volunteering approach, read the [CIPD guide here >](#)

- **It helps develop skills** – from soft skills such as leadership, communication and presentation skills, to professional skills such as advising businesses and providing pro bono support
- **It is a viable alternative** to other forms of employee development – a development opportunity in the community can be more beneficial than classroom learning and is usually cheaper
- **It builds employee engagement** – volunteering fosters a sense of pride and satisfaction, and employees are appreciative of being given time off work to support their community
- **It supports access to skills otherwise inaccessible to community organisations** – many charities and community groups could never afford to pay for the skilled support they receive from the business community.



“This opportunity allowed me to develop new interpersonal skills and work with a diverse group of young people. I responded well to having responsibility and pushed myself to try new challenging tasks. I’m confident this is a transferable skill I can now use in other roles and add to my CV.”

Matthew Francis, University of East Anglia

Volunteering schedule 2018/2019

Dates	Activities	Notes
21 Sept 2018	Recruitment of judges for The Big Bang Competition online heat	
15 Oct to 25 Nov 2018	Recruitment for The Robotics Challenge and The Big Bang Fair	
w/c 5 Nov 2018	Judging the Big Bang Competition online heat	Judging takes 4-8 hrs
Jan, Feb and Mar 2019	The Robotics Challenge (regional events across the UK)	Venues & dates TBC
13, 14, 15 and 16 Mar 2019	The Big Bang Fair (NEC, Birmingham)	1-4 days
13 Mar 2019	The Big Bang Competition UK Finals (The NEC, Birmingham)	Judging 8am-4pm
15 Mar 2019	Tomorrow's Engineers EEP Robotics Challenge UK Finals (The NEC)	Judging 8am-4pm

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