

Volunteering Opportunities for IRSE members to participate in

Volunteering is a great way of developing yourself as well as sharing your skills with others. Here are a few options that we at the IRSE are aware of. Don't forget to record your volunteering in your Continuing Professional Development (CPD) activities!

Country / Region	Organisation	Brief Information	Webpage details
International	IRSE committee member	There are several committees which IRSE members could contribute to	http://www.irse.org/about/default.aspx and http://www.irse.org/nearyou/default.aspx
International	IRSE Council member	The IRSE Council is the governing body of the Institution. The role of Council and the duties of Council members are defined in the Memorandum of Association & Articles of the Institution, but in summary, they make decisions on behalf of the members, as appropriate, in the running of the Institution, and generally have to ensure that the objectives for which the Institution has been established are progressed in a professional and satisfactory manner	https://www.irse.org/about/public/irsecouncilandtrustees.aspx
International	IRSE Mentor	The IRSE mentoring scheme is available to assist members to develop their professional competence, achieve their learning objectives and enhance their non-technical skills through mentoring provided by more experienced members.	https://www.irse.org/membership/members/mentoring.aspx
International	Code Club	At Code Club, we think all children should have the opportunity to learn to code, no matter who they are or where they come from. To do this, we support a nationwide network of volunteers and educators who run free coding clubs for children aged 9-11 to build and share their ideas, learning along the way.	https://www.codeclub.org.uk/ and https://www.codeclubworld.org/
International	Destination Imagination	Our purpose is to inspire and equip students to become the next generation of innovators and leaders. Annually, we offer seven new national curriculum-based Challenges in STEM, Improv, Visual Arts, Service Learning, and Early Learning.	www.diuk.org and www.destinationimagination.org

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		Each Challenge enables student teams to learn and experience the creative process from imagination to innovation	
Australia	Digital Careers	Digital Careers highlights the diverse, exciting and rewarding opportunities in ICT careers for young Australians, through engaging with new technology, education options and advice. Industry leaders, education providers and government contribute to this national program to boost interest in ICT careers, and reveal it as an attractive option for a brilliant career.	http://digitalcareers.edu.au
Australia	STEM Australia	Being an Australian voice that will enable all young people to achieve their potential in STEM by: Ensuring that all young people, regardless of background, are encouraged to understand the excitement and importance of science, technology, engineering and mathematics in their lives, and the career opportunities to which the STEM subjects can lead; Helping Australian educational institutions, their students and staff to a greater understanding of STEM Enhancement & Enrichment opportunities available to them and the benefits these can bring to everyone involved; Encouraging businesses, organisations and individuals wanting to support young people in STEM to target their efforts and resources in a way that will deliver the best results for them and young people.	www.stemaustralia.edu.au
Australia	STEM Video Game Challenge	Facilitating engagement with Science, Technology, Engineering and Mathematics, students learn vital skills for the future through designing, building and testing an original video game.	www.stemgames.org.au

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Malaysia	STEM Exploration Centre	STEM Exploration Centre is an initiative by MDEC under its ICT as A Career of Choice Campaign. The Centre will be equipped with technical tools and training kits provided by our technology/industry partners aimed at exciting students with various immersive hands-on activities. The STEM Exploration Centre will become the nucleus, test-bed and launching pad of our career awareness and nationwide outreach programmes.	/www.mscomalaysia.my/people-development/stem-exploration-centre
UK	Big Bang Fair	The Big Bang UK Young Scientists & Engineers Fair is the largest celebration of science, technology, engineering and maths (STEM) for young people in the UK. The Big Bang Fair is an award-winning combination of exciting theatre shows, interactive workshops and exhibits and careers information from STEM professionals.	www.thebigbangfair.co.uk
UK	Big Bang Near Me	A programme of UK-wide events that get students excited about science, technology, engineering and maths. Fun-filled theatre shows, hands-on exhibits, interactive workshops and a wide range of careers information from local and national employers	http://nearme.thebigbangfair.co.uk/home/
UK	Engineering Development Trust (EDT)	EDT delivers over 40,000 STEM (science, technology, engineering and mathematics) experiences each year, for young people age 9 -21 across the UK. Our range of work related learning schemes provide opportunities for young people to enhance their technical, personal and employability skills through industry-led projects, industrial placements and specialised taster courses. We help develop partnerships, building links between educators and industry employers, helping organisations reach	http://www.etrust.org.uk/

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		talent and connect with young engineers and scientists across the UK.	
UK	Greenpower Educational Trust	The Greenpower Education Trust created a number of practical, educational engineering challenges which fulfil our mission and encompass all of our values (Inspiration, Motivation, Passion, Dedication, Fun). Our initial project, an electric car challenge which requires students, guided by their teachers and an industry mentor, to design, build and then race an electric car. Holding events at weekends at major motor circuits around the UK ensures excellent attendance from the general public who can witness the amazing vehicles, focus and team work evident at these events.	http://greenpower.co.uk/
UK	Magnificent Women and Their Flying Machines	It is an exciting and fun outreach activity and resource for schools and other organisations to explore the role of women in engineering, both now and in the past. It is based on the work that women did during the First World War in engineering and technical professions, and includes a look back at the history of women in engineering and their role as engineers today. The outreach activity has been created for groups of students between the ages of 12 and 16 with aim to engaging girls with the field of engineering, and ultimately making a career in engineering more accessible to them.	http://www.magnificentwomen.org.uk/
UK	Smallpeice Trust	We're all about inspiring young engineers in the making who are daring enough to think big and imagine. That's why we give 12-18 year olds everything they need to explore their passion for engineering with our in-school STEM days and Momentum courses.	https://www.smallpeicetrust.org.uk/

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UK	STEMNET	STEM Ambassadors are volunteers from a wide range of science, technology, engineering and mathematics (STEM) related jobs and disciplines across the UK. They offer their time and enthusiasm to help bring STEM subjects to life and demonstrate their value in life and careers. STEM Ambassadors are an important and exciting free-of-charge resource for teachers and others engaging with young people in and outside of the classroom.	http://www.stemnet.org.uk
UK	TeenTech	TeenTech helps young people understand the opportunities in the science, technology and engineering industries, no matter what their gender or social background. Our lively, focussed age appropriate initiatives help young people 8-18 understand their potential and raise their aspirations.	http://www.teentech.com
UK	Tomorrow's Engineers	There's a huge demand for engineers in the UK that isn't being met. Young people often have little idea about what engineers do, and we need your help to change this. Excite and enthuse young people (mainly 11-14s) about careers in engineering! Develop your communication, team work and organisation skills that will look great on your CV. Share your knowledge with the local community.	www.tomorrowsengineers.org.uk
UK	Universe of Engineering	Our aim is to provide a Universe of Engineering for schools through which all children can reach their potential. Teacher training courses, masters level research, skills, competencies, project based learning, competitions, exhibitions, al help to ensure deep learning, impact and career awareness.	https://universeofengineering.com/
UK	Young Engineers	We understand that students learn through positive experiences which encourage the take up of careers in Engineering. Taking part in practical engineering	https://www.youngeng.org.uk/

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		activities provides the best way of encouraging young people to study STEM subjects. Our vibrant and active Membership provides the perfect opportunity for schools, clubs and individuals to be part of a national Network. We support, guide, challenge and educate through activities, events and competitions.	
UK	Young Rail Professionals	Young Rail Professionals (YRP) Ambassadors Programme is one of YRP's valuable deliverable for the rail industry. The YRP Ambassadors provide a positive and insightful outreach presence in schools, colleges, and universities on behalf of the rail industry. We are the face of our industry, promoting and inspiring the next generation into rail. This programme is here to support the development, expansion and maintenance of a first-class, cost effective, 21st Century railway.	https://www.youngrailpro.com/ambassadors/
UK (Wales)	Engineering Education Scheme Wales	We provide 11 to 19 year olds with the opportunity to get hands-on experience working with industries, businesses and higher education, by providing them with the opportunity to work on real STEM projects.	http://www.stemcymru.org.uk/

This is not an exhaustive or exclusive list of relevant organisations which IRSE members could volunteer through.

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