31st International Conference for Transdisciplinary Engineering, 2024

TE2024

UCL East, London UK

Engineering for Social Change

9th to 11th July 2024
UCL East Campus, Queen Elizabeth Olympic Park, London UK

Call for Abstracts

The abstract submission deadline is: **29th February 2024** (extended from 31st January)

With the world facing intense challenges socially, politically, environmentally what is the role of engineering to help steer communities to safer havens? Engineering is the bedrock of modern society but how can we ensure engineers work not just to delivering effectively on private sector projects, but also more widely for society and the environment?

The theme of TE2024 is **Engineering for Social Change**. We want to explore how engineering design and manufacturing processes – whether they are digital twins or systems models, new innovations, or the use of machine learning – can be turned towards a wider good? How can product design be better, not just for the business wanting to make a new, better version, but also for wider society and for the environment more generally? How can systems approaches address these challenges and what are the ethical, philosophical and justice considerations hidden in them? What is the role of the engineer in this? How do we train or educate engineers to see the opportunities for inclusive design, sustainable construction, or ethical manufacturing? What skills, analytic approaches, design, or collaboration practices are effective? What challenges are encountered in working across boundaries – between academia and industry and across disciplines, especially with the social sciences?

We invite engineering researchers, educators and industry practitioners, and researchers of engineers and engineering, to submit abstracts or propose workshops addressing these questions or related issues in transdisciplinary engineering.

Topics historically of interest to the TE community are always welcome, including:

- Research & systems analysis
- Education, lifelong learning and skills
- Collaboration, management & teamworking
- Smart systems, IoT and Industry 4.0/5.0

- Product & process design
- Decision support tools
- Risk and knowledge management
- Megatrends and new methods

We invite new collaborators from industry & non-engineering academia exploring:

- Engineering practice in industry & policy
- Engineering ethics & philosophy
- Engineering activism & justice
- Engineers in non-engineering organisations

- Design research & interdisciplinarity
- Business practice with engineering
- Engineering consultancy
- Development engineering

For more details and to submit an **abstract** visit: www.TE2024.org.uk