

European Study Group with Industry (ESGI) 2027

Solving your business challenges with world-leading mathematical and data science expertise

University of Warwick: 05 – 09 July 2027

Many organisations face pressing challenges that resist conventional approaches. **UK European Study Groups with Industry (UK ESGIs)** are five-day workshops that bring together mathematical scientists and partners from business, industry, charity, and government to work collaboratively on creating potential solutions and ideas to address such challenges.

ESGIs are internationally recognised as a cost-effective means of making real progress on demanding challenges in just a few days, providing a collaborative forum in which challenges are presented by stakeholders to be worked on live by mathematical scientists and domain experts from a range of backgrounds and disciplines.

The **University of Warwick** is delighted to be hosting the milestone **200th ESGI** in July 2027, continuing a successful programme that has been connecting industry and academia over several decades. For more than 50 years, ESGIs have helped organisations across manufacturing, engineering, finance, healthcare, energy, transport, retail, government, and the public sector to develop new approaches to their complex challenges. Reports arising from ESGIs are collated in the *Mathematics in Industry Reports* (MIIR) repository, hosted by Cambridge University Press, which provides an open-access, searchable collection of reports, with each report assigned a Digital Object Identifier (DOI) to facilitate discoverability and dissemination.

For a participation fee, your organisation will receive:

- A dedicated challenge team working on your business challenge;
- Access to what we anticipate being a vibrant participant community including internationally recognised academics, early-career researchers, and PhD students with expertise spanning mathematics, statistics, optimisation, AI, machine learning, uncertainty quantification, data modelling, and simulation;
- Support before the event to refine your project challenge so that the week delivers maximum value to your business;
- Findings and recommendations presented at the end of the workshop;
- A written technical report with a summary of your group's approaches, key findings/outcomes, and potential opportunities for further development;
- Accommodation for participants not local to Warwick, and meals/refreshments throughout the week, including a conference dinner early in the programme to support the development of positive team dynamics;

- Dedicated post-event follow-up from our team, with opportunities to develop ideas and projects together;
- Introductions to researchers who could become long-term collaborators. Many ESGI projects continue well beyond the annual event through collaborative research, Knowledge Transfer Partnerships, consultancy, or jointly funded innovation projects.

What does the event involve?

To make the most of the format and the lively environment, we strongly encourage at least a subpart of the industry challenge teams to be with us on campus for the full week. We ask that participants attend each day in full, engaging with an open mind and a willingness to discuss their organisation's business challenge with their ESGI team and the wider conference group. Single-dorm, ensuite accommodation is available for those who are not local, and meals and refreshments are provided throughout. Participants are expected to take part in line with our Events Code of Conduct, available online at https://warwick.ac.uk/fac/sci/camacs/events/code_of_conduct.pdf.

Data sharing and IP

Traditionally, UK ESGIs are "open innovation" workshops. While preliminary discussions with us can be carried out under a Non-Disclosure Agreement if necessary, work carried out at the Study Group is typically not subject to any confidentiality or intellectual property agreement. It is expected that the challenge descriptions and reports will be published on our website and in the [Mathematics in Industry Reports](#). Challenge presenters will have the opportunity to review the report prior to publication.

We recommend reading the FAQs on the UK ESGI website for information about how IP and confidentiality are usually handled: <https://www.esgiuk.org.uk/companies/faqs/>

Recommended participant fees

Our recommended fees are as follows:

Company type	Company size (number of employees)	ESGI fee per project challenge
Charities, NGOs	N/A	Free
Micro enterprises and start-ups	Fewer than 10 employees	£1,500
Small enterprises	Between 11 and 50 employees	£3,500
Medium enterprises	Between 51 and 250 employees	£7,500
Large enterprises	251 or more employees	£8,500

How to take part

We look forward to welcoming a small number of organisations to present their challenges at ESGI 2027. If your business or organisation has a complex real-world problem that might benefit from the academic and domain expertise available at the workshop, we would be delighted to hear from you. To discuss whether ESGI is the right opportunity for you, please do not hesitate to contact Professor Andreas Kyprianou, Director of the Centre for Applications of Mathematical & Computing Sciences (CAMaCS), for an informal chat (andreas.kyprianou@warwick.ac.uk).