

Imperial College
London

Centre for Systems Engineering and Innovation

Benefits of Membership, 2021-2022



Our approach to working with industry members



First, we examine existing planning, design and operation practices to develop new knowledge on the opportunities and challenges for Systems Engineering to transition to resilient, sustainable and safe infrastructure.



Second, we develop novel tools and approaches from a systems perspective, using a range of modelling, simulation and data analysis techniques



Third, as part of an 'open innovation' ecosystem working across traditional boundaries, we rapidly address issues to solve the fundamental engineering problems that arise in complex infrastructure projects and net-zero infrastructure transition

Imperial College London

We are a hub that brings together world-class systems research, academic excellence and industry expertise.

The Centre is research-led and has been deepening its engagement with industrial partners and members to develop world-leading research with a focus on six interconnected research themes - [Carbon Neutral to Net Zero Pollution, Complexity and Resilience, Systems Integration, Data-Driven Systems Engineering, Transforming Construction, and Infrastructure Lifecycles](#).

Membership of the Centre

Membership of the Centre brings the benefits of engaging with leading researchers and solid academic expertise to jointly shape our ambitious research priorities. It also means having early access to our findings on systems approaches to innovative ways to design, integrate and deliver Net-Zero infrastructure. We work closely with industry partners to understand their real-world problems, bring those insights back into the university to develop next generation solutions which are then fed back into practice to ensure that our research has impact on their processes and practices. This means being able to accelerate the process of implementation of research outputs and new technologies, delivering value to our stakeholders by improving efficiency and so reducing costs, increasing returns and extending lifecycles. All members and partners will have the opportunity to (see Membership overview table and timeline for more detail):

- Shape the Centre's research in line with real-world needs
- Engage in relevant, co-created research when opportunities arise
- Upskill the workforce
- Benefit from reputational competitive advantage through the Imperial brand
- Access to cutting-edge research and knowledge base
- Keep abreast of the latest cutting-edge developments in the sector

We look forward to working with partners in the following fields who are developing their sustainability strategies:

- Governments and government agencies
- Infrastructure owners, developers, construction companies
- Consultancies
- Management
- Corporations – i.e., corporate sustainability
- SMEs
- Start ups

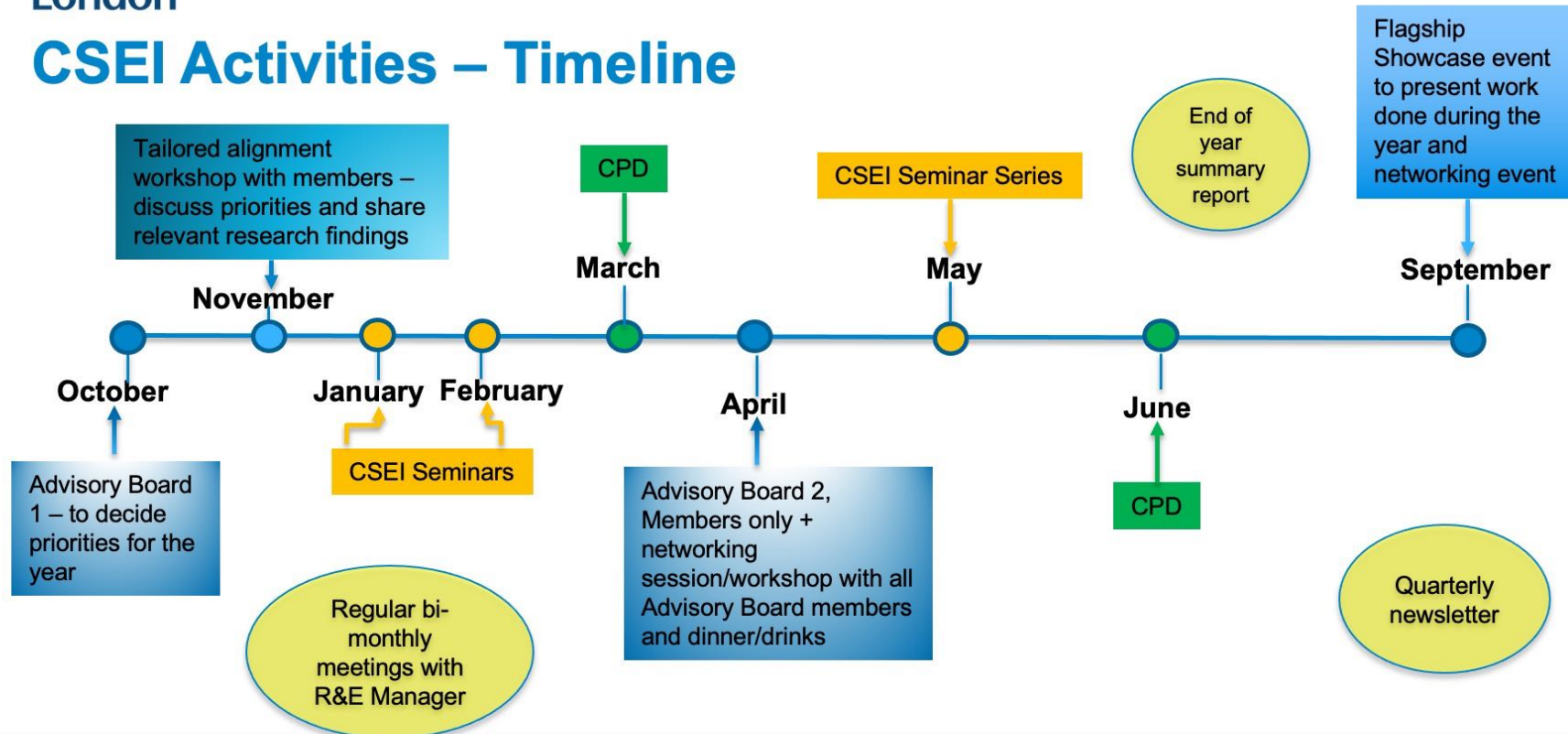
To join our vibrant and forward-thinking research community and to discuss membership please email Jeni Giambona, j.giambona@imperial.ac.uk

CSEI Membership – Benefits

Membership fee £15,000

| | | |
|---|---|---------------|
| Shaping Research Directions | Advisory Board membership | Yes (1 place) |
| | Tailored alignment workshop | Yes |
| Engaging in Research | Early notice of research bids | Yes |
| | Involvement in relevant co-created funding bids | Yes |
| | Updates on Centre Activities, research findings and involvement in seminars | Yes |
| Growing the relationship | Dedicated point of contact within the Centre – Research and Engagement Manager | Yes |
| | Bi-monthly meetings with the Centre Research and Engagement Manager | Yes |
| Skills and Education | One (1) free place on Centre-run professional development (CPD), including a 1-day course on Systems Engineering Leadership | Yes |
| | Reduced rates on Centre-run professional development (CPD), including a 1-day course on Systems Engineering Leadership | Yes |
| | Visibility in College / better access to recruiting graduate students | Yes |
| Visibility within Imperial and beyond | Sponsorship of sessions at Centre’s annual Showcase Event | Yes |
| | Promotion of joint work on social media, i.e. Twitter/Website | Yes |
| Reputation and benefitting from research outcomes | Logo on / sponsorship of brochure | Yes |
| | Industry members page on website with logo and link to member’s website | Yes |

CSEI Activities – Timeline



[Download our 10-year report](#)

Visit our [website](#)

Follow us on Twitter [@csei_imperial](#)

Contact our Research and Engagement Manager, Jeni

Giambona, j.giambona@imperial.ac.uk