

# Advances Conference Technical Committee Member Volunteer Role Descriptor

## 1. Vacancy reference

LS/ATC/2.0

## 2. Background

The Digitalisation Committee (DigiCom) is organising a two-day conference in the UK on *Advances in Digitalisation in the Process Industries* to be held on 26 – 27 June 2025 (provisional dates) in the Midlands or Northern England. The target audience is engineers, researchers and students (including IChemE members), who are interested in or working in the area of digitalisation in the process industries. The 2025 conference follows the 2021 virtual conference on the same theme:

[www.icheme.org/knowledge/conference-presentations/advances-in-digitalisation-of-the-process-industries/](http://www.icheme.org/knowledge/conference-presentations/advances-in-digitalisation-of-the-process-industries/)

The theme, digitalisation in the process industries, is aligned with the priority topic of ‘Digitalisation, including cybersecurity’. It also supports other priority topics, including ‘Energy and climate action’, ‘Responsible production, innovation and industry’ and ‘Quality education and lifelong learning’.

The conference aims to give speakers from industry, vendors and academia a platform, stimulate discussion and networking, and attract sponsors and exhibitors and give them visibility. Events will include plenary sessions with invited speakers, themed sessions with presentations, a poster session and networking opportunities, including a reception and conference dinner. Best presentation and best poster competitions will aim to stimulate engagement and celebrate success and innovation.

## 3. Main duties and responsibilities

As a member of the Advances conference technical committee, you will contribute to its activities:

- identifying key topics in, and related to, digitalisation in the process industries (e.g. digital twins, Generative AI for process control and optimisation, Generative AI for process engineering, hybrid first principles and machine learning models, new developments in core process control and instrumentation, etc)
- providing ideas for plenary and invited speakers
- contributing or soliciting contributions to the conference through your own professional network
- reviewing proposed conference contributions
- planning and/or supporting conference sessions
- helping to raise awareness of sponsorship and exhibitor opportunities through your own professional network
- advising and helping IChemE staff with the future development of the conference
- attending the conference, if possible, and chairing appropriate technical sessions.

Most preparatory work is completed virtually: attendance at virtual planning meetings is expected.

## 4. Appointment method

Please complete the online [nomination form](#) by **7 July 2024**. Please contact the Learned Society staff team via [advances@icheme.org](mailto:advances@icheme.org) for more information. You will be contacted to confirm whether your nomination has been successful.

## 5. Period of appointment

From mid 2024 until post-conference follow-up work is completed (Q3 2025) in the first instance.

## 6. Commitment required

Carrying out relevant duties is estimated to take less than 5 hours per month (including fortnightly meetings), with additional involvement during the conference. This voluntary position is unpaid.

## 7. Training

The role is fully supported by IChemE. Appropriate induction will be provided to support members in this role. Standard volunteer training, e.g. General Data Protection Regulations (GDPR) training, will be provided by IChemE.

## 8. Person specification

- volunteers for this role would normally be members of IChemE
- have skills, knowledge and interests that relate to digitalisation in the process industries.
- have skills, interest or experience in planning/organising conferences and similar events.

## 9. Others

### *Benefits of volunteering:*

- personal satisfaction that your contribution helps to support a global network of chemical engineers
- access to extensive networking opportunities
- enhance your own CPD for longer-term career development and your professional experience in a wider context than your own specific job role / professional interests
- enhance your knowledge of chemical engineering and the opportunities it may offer

### *Expenses:*

No significant expenses are expected to be incurred. IChemE's [Volunteer handbook](#) and [Expense policy for members and volunteers](#) provide information about reimbursement of reasonable expenses. Note that volunteers in this role will not get free access to the conference.

## 10. Additional details

### **Area of interest that relates to the role:**

- digitalisation in the process industries
- control and automation
- process management
- process modelling, design, simulation and optimisation
- cybersecurity for the process industries

### **Is the role location specific?**

The conference will be held in the UK, but to be on the technical committee there is no requirement to be resident in the UK.

### **Number of new volunteers required for role:**

5 – 10

### **Closing date:**

7 July 2024 (applications will be reviewed and responded to as they are submitted, as conference planning work has already started)

To apply for this role, please fill out this online [nomination form](#)

If you have any queries, please contact [advances@icheme.org](mailto:advances@icheme.org)

For any queries on volunteering please contact [volunteer@icheme.org](mailto:volunteer@icheme.org)

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