

Catalysis and Reaction Engineering Special Interest Group - Committee Member

Volunteer Role Descriptor

1. Vacancy reference

Reg/SIG/CRE/1.0

2. Background

ICHEME's global network of member community groups are central to delivering its vision of advancing chemical engineering's contribution worldwide for the benefit of society.

ICHEME member community group activities are devised and delivered by members.

Member groups (MGs), special interest groups (SIGs), and early careers groups (ECGs) create globally accessible output, local activities, and networking opportunities.

The objectives of the Catalysis and Reaction Engineering Special Interest Group are to:

- encourage researchers and industrialists working in catalysis and reaction engineering to liaise and exchange information and to develop and share best practice
- motivate academics to focus on fulfilling the current needs and requirements of industrial catalytic and reaction processes
- explore the preparation and application of catalysts, enhanced reaction conditions, and innovative reactors to new routes for the manufacture of chemicals, to methods of gasification and, not least, to sociological and environmental demands for the usage of these
- provide postgraduate students the opportunity to participate in high-quality research meetings in a friendly and supportive atmosphere.

The SIG committee organises a programme of events throughout the year which typically comprises:

- Three technical symposia of 1-2 days duration in-person, usually at a university campus
- A PhD student meeting with a focus on early career development
- A programme of webinars.

3. Main committee positions, duties, and responsibilities

General committee members

Volunteers who occupy committee roles typically:

- endeavour to attend quarterly meetings online, or send apologies for absence
- provide comments on papers where they are unable to attend
- prepare for the meeting by reading the agenda, papers, and any emails before the meeting
- share ideas and views
- participate in the planning and delivery of an annual programme of activities supporting IChemE's strategy, eg organise an event, with support from the other committee members and IChemE and/or contribute to a webinar
- demonstrate skills, knowledge and interests that relate to a specific volunteer role (eg STEM liaison, University liaison, PEI engagement, events organiser)
- take ownership and accountability for the fulfilment of assigned tasks
- participate in the planning and delivery of an annual programme of activities supporting IChemE's strategy

4. Appointment method

Elections for all vacant electable positions are to be conducted as vacancies arise. Please contact the Member Experience team for more information at specialinterestgroups@icheme.org

5. Period of appointment

SIG Committee volunteers can stay in their roles for up to three years. Reappointment is possible for a second term of up to three years. A maximum of six years can be served in one position.

6. Commitment required

In taking up this voluntary unpaid position and carrying out the relevant duties, the estimated time that volunteers spend supporting committee roles is between four to eight hours per month.

7. Training

The role is fully supported by the Member Experience and IT. Training will be provided to support members in this role.

Other standard volunteer training, eg General Data Protection Regulations (GDPR) training, will be provided by IChemE. In some instances, an annual update may be required.

8. Person specification

To successfully fulfil their role and meet their responsibilities, committee members

- are a member of the Institution and abide by IChemE's By-laws.
- demonstrate skills, knowledge and interests that relate to specific MG or SIG volunteer roles

We particularly encourage women and industrial chemical engineers to join, who are currently under-represented on the committee.

9. Others

Expenses for the activities:

The opportunities outlines are volunteer roles with no significant expenses likely to be incurred. IChemE policy to member expenses outlines what costs can be recovered whilst undertaking volunteer activities on behalf of member groups, special interest groups or early careers groups.

Benefits of volunteering:

- personal satisfaction that your contribution helps to support a global network of chemical engineers
- provides extensive networking opportunities
- enhances volunteer's own CPD for longer term career development and their professionalism in a wider context than their own specific job role / professional interests.

10. Additional details

Area of interest that relates to the role:

- research and/or industrial practice in catalysis and reaction engineering
- fostering industry–academia interactions in this area
- creating opportunities for postgraduate students to engage with other members

Is the role location specific?	No
Total number of volunteers required for role	No limit
Closing date:	30 June 2024
<p>For further information, please contact Prof Joe Wood at the University of Birmingham at j.wood@bham.ac.uk</p> <p>To apply for this role, please contact volunteer@icheme.org, quoting the role and reference at the top of this document.</p>	
<p>Author: Megan Jobson, Learned Society Manager</p>	
<p>Date: 12 April 2024</p>	