

# medals and prizes

IChemE ADVANCING  
CHEMICAL  
ENGINEERING  
WORLDWIDE

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# medals

## Research & teaching



### Andrew Medal

Introduced in 2012 in commemoration of the late Professor Syd Andrew, a distinguished expert in the field of catalysis, the Andrew Medal is awarded every three years to recognise a major contribution relevant to the science of formulation of heterogeneous catalysts.

#### Who is it awarded to?

It will be awarded to an individual or company on the basis of their research into heterogeneous catalysts that has found expression in either: a significant new process concept of economic significance, a significant new product of economic significance, a significant contribution to the testing or science of heterogeneous catalysts that enables novel process or new reactor designs for existing processes, and has been demonstrated to do so at a commercial scale.

The winner of the award will also be invited to present a lecture.

#### How is the winner decided?

Nominations will be considered by a panel of experts and a preferred winner submitted to the IChemE Medals & Prizes Committee for ratification.

#### How do I nominate somebody?

Nominations should be no more than 600 words and sent to [medals@icheme.org](mailto:medals@icheme.org)



# Bird Stewart & Lightfoot Medal



## Who is it awarded to?

The medal will be awarded to one or more individuals who have made a significant recent contribution to research in transport phenomena. The contribution should show an enduring impact, such that it has initiated a change that has been widely adopted and either continues to give a lasting benefit or has inspired others to develop further.

## How is the winner decided?

Nominations will be considered by a panel of experts and a preferred winner submitted to the IChemE Medals & Prizes Committee for ratification.

## How do I nominate somebody?

Nominations should be no more than 600 words and sent to [medals@icheme.org](mailto:medals@icheme.org)

# Davidson Medal

The Davidson Medal recognises individuals who have been active mentors in industry or academia.

## How is the winner decided?

Nominations will be considered by a panel of experts and a preferred winner submitted to the IChemE Medals & Prizes Committee for ratification.

## How do I nominate somebody?

Nominations should be no more than 600 words and sent to [medals@icheme.org](mailto:medals@icheme.org)



# Geldart Medal



## Who is it awarded to?

The medal will be awarded to one or more individuals who have made a significant recent contribution to research in particle technology. This will be recognised through scientific advancements widely acknowledged within the community and high impact findings recognised outside the particle technology community.

## How is the winner decided?

Nominations will be considered by a panel of experts and a preferred winner submitted to the IChemE Medals & Prizes Committee for ratification.

## How do I or somebody?

Nominations should be no more than 600 words and sent to [medals@icheme.org](mailto:medals@icheme.org)

# Guggenheim Medal

## Who is it awarded to?

The medal will be awarded to one or more individuals who have made a significant recent contribution to research in thermodynamics and/or complex fluids. The contribution could encompass, but need not be limited to, new experimental techniques for the study of complex fluids at the molecular, mesoscopic or macroscopic scale, new theoretical or computational developments for the calculation of thermodynamic properties, and/or developments of new complex fluids of potential interest for technological processes and applications.

## How is the winner decided?

Nominations will be considered by a panel of experts and a preferred winner submitted to the IChemE Medals & Prizes Committee for ratification.

## How do I nominate somebody?

Nominations should be no more than 600 words and sent to [medals@icheme.org](mailto:medals@icheme.org)



# Morton Medal



## Who is it awarded to?

Named in memory of a past president, Frank Morton, the Morton Medal commemorates his dedicated service to teaching. The medal recognises and rewards those undertaking excellent work in chemical engineering education from across the world. In particular, it looks to recognise the work of outstanding educators as well as 'game changers', and to promote best practice in chemical engineering education.

## How is the winner decided?

Nominations will be considered by a panel of experts and a preferred winner submitted to the IChemE Medals & Prizes Committee for ratification.

## How do I nominate somebody?

Nominations should be sent to [medals@icheme.org](mailto:medals@icheme.org)

# Nicklin Medal

## Who is it awarded to?

The Nicklin Medal recognises and rewards up-and-coming researchers active in any research area within chemical and process engineering. Nominees must, at the time of the awards nomination deadline, have no more than five years postdoctoral research experience and should have produced international quality research outputs.

## How is the winner decided?

Nominations will be considered by IChemE's Medals and Prizes Committee.

## How do I nominate somebody?

Nominations should be no more than 600 words and sent together with a full CV to [medals@icheme.org](mailto:medals@icheme.org)



# Sargent Medal



## Who is it awarded to?

The medal will be awarded to one or more individuals who have made a significant recent contribution to research into computer-aided product and process engineering. The contribution could encompass, but need not be limited to, a concept that has promoted much interest, the solution of an unsolved problem, new methods or tools leading to innovative processes and products, or a significant advance in process systems engineering.

## How is the winner decided?

Nominations will be considered by a panel of experts and a preferred winner submitted to the IChemE Medals & Prizes Committee for ratification.

## How do I nominate somebody?

Nominations should be no more than 600 words and sent to [medals@icheme.org](mailto:medals@icheme.org)

# MM Sharma Medal

## Who is it awarded to?

The medal is presented to an individual who has, across his or her career, made a sustained and significant contribution to the field of chemical engineering research. The judging committee will consider: originality and impact of research, innovation, professional standing, and other indicators of esteem indicated by the nominee/nominator.

## How is the winner decided?

Nominations will be considered by IChemE's Medals and Prizes Committee.

## How do I nominate somebody?

Nominations should be no more than 600 words and sent to [medals@icheme.org](mailto:medals@icheme.org)



# Sustainability Teaching Award



## Who is it awarded to?

The award is open to individuals or teaching teams who encourage and influence teaching of sustainability at IChemE-accredited undergraduate courses worldwide. Teams may include representatives from other disciplines as long as the teaching is directed at chemical engineering undergraduates.

## How is the winner decided?

Entries will be reviewed by the judging panel (made up from members of the Sustainability and Education SIGs), and a short list submitted for the final (detailed examination) round of judging.

## How do I nominate somebody?

Submissions are sought from all teachers on accredited chemical engineering courses.

Sufficient detail should be given of the teaching materials, and learning outcomes, so that the judges can assess how students will be encouraged to "think sustainability" and to make suitable engineering decisions to enhance sustainability.

Email entries, headed "IChemE Sustainability Teaching Award" should be sent to [specialinterestgroups@icheme.org](mailto:specialinterestgroups@icheme.org)

# Underwood Medal

## Who is it awarded to?

The medal will be awarded to one or more individuals from academia or industry who have made a significant contribution to research in the area of separations and generated impact within and outside their specialised field. The contribution can be, but need not be limited to, the development of the 'science' or understanding behind an existing separation technology or development and implementation of a 'new' separation process.

## How is the winner decided?

Nominations will be considered by a panel of experts and a preferred winner submitted to the IChemE Medals & Prizes Committee for ratification.

## How do I nominate somebody?

Nominations should be no more than 600 words and sent to [medals@icheme.org](mailto:medals@icheme.org)





## Warner Prize



### Who is it awarded to?

The Warner Prize is presented biennially to an individual, normally in the early stages of their career, who has shown exceptional promise in the field of sustainable chemical process technology, nuclear technology or in making chemical engineering more accessible to a wider scientific community. The prize winner will also be expected to deliver a related presentation to an audience of invited guests upon receipt of the prize.

### How is the winner decided?

Nominations will be considered by a panel of experts and a preferred winner submitted to the IChemE Medals & Prizes Committee for ratification.

### How do I nominate somebody?

Nominations should be made in writing and consist of no more than 600 words and sent to [medals@icheme.org](mailto:medals@icheme.org)

# medals

# Publications



# Hanson Medal



## Who is it awarded to?

The Hanson Medal is awarded to the author or authors of the best article to appear in *The Chemical Engineer* (**tce**) magazine each year.

## How is the winner decided?

The editor of *The Chemical Engineer* (**tce**) prepares a shortlist for consideration by the Publications Medals Board. Their decision then requires approval from the Medals and Prizes Committee.

## How do I nominate somebody?

Nominations are invited from all readers of **tce**. Nominations should be no more than 600 words and sent to [medals@icheme.org](mailto:medals@icheme.org)

# Hutchinson Medal

## Who is it awarded to?

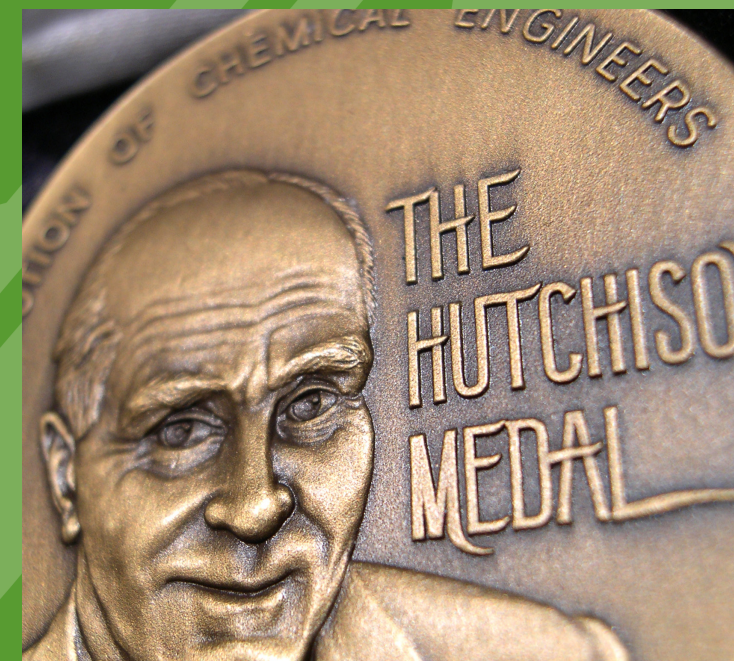
The Hutchison Medal is awarded for both practical and wide-ranging, philosophical, or thought-provoking published papers. In the award of the Hutchison Medal, IChemE is looking to reward papers that are not sufficiently technical to qualify as candidates for the Moulton Medal, but are nevertheless important contributions to the literature that will stimulate further debate within the chemical engineering community.

## How is the winner decided?

Papers are nominated by Publications Medals Board assessors delegates attending IChemE conferences and IChemE's broader membership. The final decision is made by the Medals and Prizes Committee with advice from the Publications Medals Board.

## How do I nominate somebody?

Nominations of no more than 600 words should be sent to [medals@icheme.org](mailto:medals@icheme.org)



# Senior Moulton Medal Junior Moulton Medal



## Who is it awarded to?

The Senior Moulton Medal is awarded to the author, or authors of the most exemplary paper published by IChemE during the last year. The Junior Moulton Medal follows the same criteria but recognises the best author, or co-author, who has graduated within the last ten years (excluding career breaks) at the time of submission of the paper. In the award of the Moulton Medals, IChemE is looking to reward papers that are forward-looking in topic areas that will be important in the future, as well as papers on more traditional themes that will appeal to readers who are not experts in the subjects covered.

## How is the winner decided?

The Publications Medals Board including those examines papers published by IChemE during the year, published in IChemE journals: *Chemical Engineering Research & Design*; *Process Safety & Environmental Protection*; *Food & Bioproducts Processing*; *Education for Chemical Engineers*; and *Sustainable Production and Consumption* and papers published, in the Symposium Series conference proceedings.

The Publications Medals Board recommends the winners to the Medals and Prizes Committee.

## How do I nominate somebody?

The Publications Medals Board welcomes nominations. All nominations should be no more than 600 words and be sent to [medals@icheme.org](mailto:medals@icheme.org)

# medals

# Special interest groups



# Donald Medal



## Who is it awarded to?

The Donald Medal is awarded to an individual for outstanding services in biochemical engineering.

## How is the winner decided?

Nominations are sought from anyone interested in the subject area, including IChemE's Biochemical Engineering Special Interest Group. The Special Interest Group Committee recommend a winner to the Medals and Prizes Committee.

## How do I nominate somebody?

If you are a member of the Biochemical Engineering Special Interest Group you will be asked to submit nominations. Other nominations of no more than 600 words should be sent to [medals@icheme.org](mailto:medals@icheme.org)

# Franklin Medal

## Who is it awarded to?

The Franklin Medal is awarded to an individual in recognition of outstanding service in the fields of occupational health, safety, loss prevention and care for the environment.

## How is the winner decided?

Nominations are sought from anyone interested in the subject area, including IChemE's Safety and Loss Prevention Special Interest Group. The Special Interest Group Committee recommend a winner to the Medals and Prizes Committee.

## How do I nominate somebody?

If you are a member of the Safety and Loss Prevention Special Interest Group you will be asked to submit nominations. Other nominations of no more than 600 words should be sent to [medals@icheme.org](mailto:medals@icheme.org)



# Hebden Medal



## Who is it awarded to?

The Hebden Medal is awarded to an individual who has demonstrated outstanding services in the field of gasification research, development or commercialisation including bio-gasification which is growing in importance. This award is presented from time to time as suitable candidates are identified.

## How is the winner decided?

The recipient is decided by the IChemE Medals and Prizes Committee on the recommendation of the IChemE Clean Energy Special Interest Group and normally presented at The AGM of the Clean Energy SIG.

## How do I nominate somebody?

If you are a member of the Clean Energy Special Interest Group you will be asked to submit nominations. Non special interest group members should send nominations of no more than 600 words to [medals@icheme.org](mailto:medals@icheme.org)

# Lees Medal



## Who is it awarded to?

The Lees Medal is awarded to the author or authors of the best article on the topic of safety and loss prevention in an IChemE publication.

## How is the winner decided?

Nominations are sought from members of the Safety and Loss Prevention Special Interest Group and the award winner is then recommended by the Special Interest Group Committee to the Medals and Prizes Committee for approval.

## How do I nominate somebody?

If you are a member of the Safety and Loss Prevention Special Interest Group you will be asked to submit nominations. Non special interest group members should send nominations of no more than 600 words to [medals@icheme.org](mailto:medals@icheme.org)

## Macnab Lacey Prize



### Who is it awarded to?

The Macnab Lacey Prize is awarded to the team whose design project submission best shows how chemical engineering practice can contribute to a more sustainable world.

### How is the winner decided?

Each accredited department is asked to judge internally all of its student design projects and to choose one entry to submit to the judging panel. Detailed entry criteria can be found on the webpage of the Sustainability Special Interest Group, which manages the medal.

### How do I nominate somebody?

Submissions are sought from all IChemE accredited chemical and biochemical engineering departments. Submissions should be sent to [specialinterestgroups@icheme.org](mailto:specialinterestgroups@icheme.org)

# medals

## Services to the profession



# Collier Medal



## Who is it awarded to?

The Collier Medal and accompanying lecture celebrate the work of past president, John Collier. A trust fund, administered by IChemE, was established by a gift from British Energy Group to enable a biennial lecture and award to be organised by IChemE in conjunction with the Royal Academy of Engineering. The recipient is always encouraged to draw on the broader implications of energy and other related matters within a broad social context, possibly including emphasis on the interface between energy, the environment and technology. Given John Collier's conspicuous interest in communicating difficult engineering and science issues to a broad audience, the medal recipient is also prompted to give consideration to the importance of promoting public understanding of science and technology.

## How is the winner decided?

The recipient is nominated by an organising committee consisting of members of the sponsoring institutions.

## How do I nominate somebody?

Nominations should be no more than 600 words and sent to [medals@icheme.org](mailto:medals@icheme.org)

# Davis Medal

## Who is it awarded to?

The Davis Medal is awarded to an eminent individual who has rendered service to chemical engineering. It is given not more frequently than every three years.

## How is the winner decided?

The Medals and Prizes Committee select the recipient of the Davis medal.

## How do I nominate somebody?

Not applicable.



# medals

## Services to the institution

### Ambassador Prize

#### Who is it awarded to?

The IChemE Ambassador Prize is awarded to an IChemE member who has made exceptional contributions, likely within an IChemE special interest group, member group or as an ambassador for the Institution and/or profession more widely. This prize is typically awarded in recognition of a sustained period of work on a short to medium term project.

#### How is the winner decided?

Winners are selected by the Medals and Prizes Committee who are supported by the IChemE staff team.

#### How do I nominate somebody?

Nominations of no more than 600 words should be sent to [medals@icheme.org](mailto:medals@icheme.org)





# Council Medal



## Who is it awarded to?

The Council Medal is awarded to an individual who has given exceptional service on an IChemE special project.

## How is the winner decided?

Nominations are put forward to the Medals and Prizes Committee by Council members, special interest group and member group chairs. The final decision rests with the Medals and Prizes Committee.

## How do I nominate somebody?

Nominations, including a brief outline on the reasons for nomination, need to be put forward via your member group chair or the chair of the special interest group you are a member of. Members without a representative should send their nomination to [medals@icheme.org](mailto:medals@icheme.org)

# Greene Medal

## Who is it awarded to?

The Greene Medal is awarded every year to an individual who has made the most commendable long-term contribution to the progress of IChemE.

## How is the winner decided?

Nominations are put forward to the annual meeting of the Medals and Prizes Committee by council members, special interest group & member group chairs and the final decision rests with the Medals and Prizes Committee.

## How do I nominate somebody?

Nominations should be no more than 600 words and sent to [medals@icheme.org](mailto:medals@icheme.org)



# bursaries

## Biochemical Engineering Special Interest Group student bursary

### Who is it awarded to?

Postgraduate students who are working on a biochemical engineering PhD and are presenting a poster or oral paper at a suitable conference. Bursaries of up to £500 are available. Bursary competitions are held every two months.

### How is the winner decided?

The Biochemical Engineering Special Interest Group Committee review the work that is being presented. Evidence of match funding and length of service to BESIG is also considered. A reference from the applicant's supervisor also needs to accompany the nomination.

### How do I nominate somebody?

Students can apply using the form on [icheme.org/communities/special-interest-groups/biochemical-engineering/careers\\_and\\_education.aspx](http://icheme.org/communities/special-interest-groups/biochemical-engineering/careers_and_education.aspx)

# travel grants & other awards

## Water Special Interest Group student bursary

### Who is it awarded to?

Bursaries are occasionally awarded to students wishing to attend conferences in the water field.

### How is the winner decided?

Bursary applications are handled by the Water Special Interest Group committee.

### How do I nominate somebody?

Nominations should be sent to [medals@icheme.org](mailto:medals@icheme.org)

Students can also self-nominate using the form on [www.icheme.org/water](http://www.icheme.org/water)

## Fluid Separations Special Interest Group conference and short course grants

### Who is it awarded to?

Applications are invited from PhD students and postdoctoral researchers at IChemE-accredited universities.

### How is the winner decided?

The selection committee – members of the Special Interest Group committee – will judge eligible applications on the basis of the relevance of the conference or course to the applicant's current research and academic career.

### How do I nominate somebody?

Nominations should be sent to [medals@icheme.org](mailto:medals@icheme.org)

Students can also self-nominate using the form on [www.icheme.org/fssig](http://www.icheme.org/fssig)

### When is the deadline?

There is no deadline for applications but the special interest group recommends that applications are made around 3 months before the conference or short course takes place.

## Pharma Special Interest Group experience grant

### Who is it awarded to?

The Pharma Special Interest Group's research experience grant scheme aims to encourage undergraduate students to consider studying for a PhD with a possible view to a career in research. The scheme provides funding for the student to work for six weeks in a research environment over the 2019 long vacation, in the research laboratories of their university.

The project should be of relevance to the pharmaceutical industry and also develop the research potential of the student.

Applications are invited from undergraduate students considering studying for a PhD with a possible view to a career in research.

### How is the winner decided?

Applications will be judged by a panel from the IChemE Pharma Special Interest Group.

### How do I nominate somebody?

Nominations should be sent to [medals@icheme.org](mailto:medals@icheme.org)

Students can also self-nominate using the form on [www.icheme.org/pharma](http://www.icheme.org/pharma)



## Food and Drink Special Interest Group Undergraduate Project Prize sponsored by **PM Group**

### Who is it awarded to?

The prize is awarded to undergraduate student(s) who have performed a research project on a topic related to food and drink processing as part of their course at an IChemE-accredited institution.

### How is the winner decided?

The assessors will consider the novelty of the project, the relevance to food and drink processing, the quality of the work reported and the standard of reporting. In considering the quality of the work the assessors will consider the nature of the project, such as bachelor/master's level, the number of students working together, the number of terms/semesters and the fraction of the year's credits associated with project.

### How do I nominate somebody?

Nominations should be sent to [specialinterestgroups@icheme.org](mailto:specialinterestgroups@icheme.org)

## Food and Drink Special Interest Group Conference bursary

### Who is it awarded to?

The Food and Drink Special Interest Group Student Conference bursaries are available to all registered university students who are members of IChemE and who are presenting a paper or report at the event.

### How is the winner decided?

Bursaries are awarded competitively at levels of £100, £150, £200 or £250, which should be matched or exceeded by funding from the student's home institution. The Food and Drink SIG will not normally fund more than one student to attend any one conference. In exceptional circumstances, a supervisor may request larger bursaries up to a value of £500.

### How do I nominate somebody?

Send the completed application form to [specialinterestgroups@icheme.org](mailto:specialinterestgroups@icheme.org). Applications must be supported by a supervisor's report which should be sent separately to the same address, confirming your status as an unsalaried member of your department/university, the suitability of you attending the conference/event, and availability of supporting funds. Applications should be made at least two months prior to the event. Applications will be considered in May/June and November/December each year.

For application forms and further information, visit the Food and Drink Special Interest Group area on [www.icheme.org](http://www.icheme.org)

## Safety and Loss Prevention Special Interest Group bursary

### Who is it awarded to?

An annual bursary is awarded to the best MSc Safety and Loss Prevention student at Sheffield University. Other bursaries are occasionally awarded to students wishing to attend conferences in the safety and loss prevention field.

### How is the winner decided?

The Sheffield student bursary is nominated by course tutor Martin Pitt and validated by the Safety and Loss Prevention Subject Group committee. Other bursaries are handled by the Safety and Loss Prevention Special Group committee.

### How do I nominate somebody?

Nominations should be sent to [medals@icheme.org](mailto:medals@icheme.org)

Students can also self-nominate using the form on [www.icheme.org/slp](http://www.icheme.org/slp)

# Led by members, supporting members, serving society

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