

2026 IChemE Medals and Prize Winners 2026

Medal	Winner	Winning paper Supporting information
<p style="text-align: center;">Trustees Medal</p> <p>The Trustees Medal is awarded to a volunteer who has given exceptional service to an IChemE project.</p>	<p>Barry Weightman</p>	<p>Barry Weightman has been awarded the Trustees Medal in acknowledgment of his longstanding contribution to the Membership and Qualifications activities of the Institution. Over the years, Barry has exemplified remarkable dedication to enhancing the membership experience, fostering professional development, and promoting the qualifications that underpin the integrity of the Institution's efforts.</p>
<p style="text-align: center;">Ambassador Medal</p> <p>The Ambassador Medal is awarded to a volunteer 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 medal is typically awarded in recognition of a sustained period of work on a short to medium term project.</p>	<p>Tegan King</p>	<p>Tegan King has been awarded the Ambassador Medal for her outstanding leadership of the Institution's National Early Career Group UK & Ireland, where she oversaw and participated in transformational activities that led to significant growth. Tegan's efforts have not only helped to revitalise the group but have also elevated the profile of early career engineers within the Institution, making a lasting impact on the future of the profession.</p>
<p style="text-align: center;">Andrew Medal</p> <p>The medal recognises a major contribution relevant to the science of formulation of heterogeneous catalysts.</p>	<p>The Medal is awarded every 2 years and is therefore not present this year</p>	

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<p>Clean Energy Medal The medal is awarded to an individual in recognition of outstanding service in the field of Clean Energy, including but not limited to mitigation of climate change, reduction of pollutant emission and reducing utilisation of non-renewable feedstocks.</p>	<p>The Medal is awarded every 2 years and is therefore not present this year</p>	
<p>Davidson Medal The Davidson Medal recognises individuals who have been active mentors in industry or academia.</p>	<p>Jonathan Seville</p>	<p>Jonathan Seville has a lifelong commitment to excellence in mentoring in the chemical engineering profession. The impact of his mentorship is seen not only within his own universities and research groups but also through his wider contributions to education, industry, and collaborative professional initiatives. He has demonstrated both depth of quality and long-term dedication to mentoring younger generations of chemical engineers, with many of his mentees going on to become leaders and mentors in their own right.</p>
<p>Davis Medal The Davis Medal honours George E. Davis - the founding father of the profession and is awarded to an eminent individual who has rendered service to chemical engineering</p>	<p>Not due to be awarded until 2026/2027 Medals and Prizes round</p>	
<p>Donald Medal The Donald Medal is awarded to an individual for outstanding services in biochemical engineering.</p>	<p>Brian Glennon</p>	<p>Professor Brian Glennon is recognised for his exceptional and sustained impact on biochemical engineering through a unique combination of academic leadership, industry creation, and national infrastructure development. His founding of APC and VLE, pivotal role in establishing NIBRT and SSPC, and creation of Ireland's leading MSc program have positioned Ireland as a global center of excellence. With over 30 years of contributions spanning research, education, and industrial innovation, Professor Glennon exemplifies visionary leadership and commitment to advancing the field.</p>

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<p>Franklin Medal The 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.</p>	<p>Douglas Stewart Scott</p>	<p>Doug has contributed to process safety professionally and through volunteering with the Loss Prevention Bulletin editorial panel over many years and has been a co-author for 2 prestigious publications. His impact will have been felt by many involved in process safety and his presence will be greatly missed.</p>
<p>Geldart Medal The medal will be awarded to an individual who has 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.</p>	<p>Markus Kraft</p>	<p>We received 7 very strong nominations for the Geldart medal and the competition was fierce. Prof Kraft was voted as the recipient of the Geldart Medal in recognition of his pioneering work in the combustion synthesis of organic and inorganic nanostructured particles. Prof Kraft's research has had broad impact both within and beyond the particle technology community and his achievements have been widely used in industry.</p>
<p>Greene Medal The Greene medal is awarded to an individual who has made the most commendable long-term contribution to the progress of IChemE.</p>	<p>Azzam Younes</p>	<p>Azzam Younes is the recipient of the Greene Medal, awarded for his distinguished and long-term contributions to the progress of the Institution of Chemical Engineers (IChemE). His unwavering dedication to the Scottish branch in Aberdeen has been instrumental in fostering a vibrant community within the Institution. Through his tireless efforts, Azzam has played a pivotal role in encouraging young people to pursue careers in chemical engineering, thereby nurturing the next generation of professionals. His commitment to education and mentorship exemplifies the values of the IChemE, making a significant impact on the growth and development of the profession.</p>

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<p>Junior Guggenheim Medal The medal is awarded to an individual from industry or academia, who has made a significant recent contribution to research in thermodynamics and/or complex fluids.</p>	<p>Anh Thi Van Phan</p>	<p>Dr. Anh Thi Van Phan is the esteemed recipient of the Junior Guggenheim Medal, awarded for her significant recent contributions to research in thermodynamics and complex fluids. Her work exemplifies the careful application of rigorous thermodynamic principles, employing advanced computational approaches and innovative molecular simulation protocols to address cutting-edge technological challenges within the energy sector.</p>
<p>Hanson Medal The Hanson medal is awarded to the author or authors of the best article to appear in <i>The Chemical Engineer</i> magazine each year.</p>	<p>Glen McClea, Campbell Tiffin</p>	<p>This article resonates across generations of chemical engineers, capturing the shared experience of the undergraduate design project. It offers immediate value to today's students while sparking fond memories for seasoned professionals. Filled with the enthusiasm of emerging engineers, it showcases a new generation preparing for the future of chemical engineering.</p>
<p>Hutchison Medal The Hutchison Medal is awarded for both practical and wide-ranging, philosophical, or thought-provoking published papers.</p>	<p>Kylie Goodwin, Mengyu Li, Thomas Wiedmann</p>	<p>An immediately engaging paper, well written and presenting an extensive analysis on the most existentially important topic of the moment. The planetary boundary framework identifies nine areas of key environmental risk globally and this paper utilises Global Resource Input Output Assessment (GLORIA) multiregional input-output (MRIO) tables to map 15 footprint indicators across 51 sectors and seven global regions, identifying key sectors driving planetary boundary impacts. Easily the most stimulating paper of the shortlist.</p>

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<p>Jack Loftus Medal The Jack Loftus Medal is awarded to individuals who have excelled at project management, including contract management, in the process industries.</p>	<p>Richard Mortimer</p>	<p>Richard Mortimer is the distinguished recipient of the Jack Loftus Medal, awarded for his exceptional excellence in project management, particularly within the process industries. His outstanding project management capabilities are evidenced by a broad spectrum of experience, complemented by practical process engineering knowledge. Richard has successfully managed a diverse array of projects both in the UK and internationally, showcasing his adeptness at navigating complex challenges and delivering results.</p>
<p>Lees Medal 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.</p>	<p>Roger Stokes</p>	<p>Roger is nominated as his paper was topical, interesting, and widely applicable to process safety. It was well written, accessible and intelligible. It was illustrated and the case studies gave it an edge over other publications.</p>
<p>Macnab Lacey Prize The Macnab-Lacey Prize is awarded to the undergraduate student design project team whose design project submission best shows how chemical engineering practice can contribute to a more sustainable world.</p>	<p>University of Manchester</p>	<p>In a field of strong contenders, the panel judged that this submission clearly demonstrated that the Principles of Sustainability had been carefully considered and built into both the business case of the project as well as its design. A worthy winner!</p>

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<p>Morton Medal The Morton Medal is awarded to the individual who has best demonstrated excellence in chemical engineering education. It looks to recognise the work of outstanding educators as well as 'game changers', and to promulgate best practice in chemical engineering education.</p>	<p>Mark D. Haw</p>	<p>The nomination presents strong evidence of contributions to chemical engineering education in his own institution of Strathclyde as well as significant impact from his outreach work in the broader context which has been evidenced through STEM activities and publishing a book. Mark has demonstrated a number of good practice approaches to engaging with students and academic colleagues over a sustained period of time in classroom teaching, supporting colleagues in teaching and pedagogic research. He has been an advocate of ethical reasoning, societal impact and critical thinking in publications and television appearances. He has also made important contributions to the Chemical Engineering Education Special Interest Group (EdSIG) as well as with the RSC and RAcadE.</p>
<p>Junior Moulton Medal The Junior Moulton Medal follows the same criteria but recognises the best author, or co-author, who has graduated within the last 10 years (excluding career breaks) at the time of submission of the paper.</p>	<p>Rodolfo I. Teixeira, Brahim Benyahia</p>	<p>This paper investigates the synergistic integration of Computer-Aided Retrosynthesis (CAR) and continuous flow chemistry to identify and optimise shared synthetic pathways for multiple active pharmaceutical ingredients (APIs). It is particularly strong in the experimental validation of the process - the combined CAR and flow chemistry approach enhances flexibility and scalability with reduced environmental impact, underlining its potential to transform API production through more holistic Green-by-Design strategies.</p>

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<p>Senior Moulton Medal The Senior Moulton Medal is awarded to the author, or authors, of the most meritorious paper published by IChemE during the last year.</p>	<p>Daniel Garzon Otero, Omid Akbaria, Camille Bilodeau</p>	<p>The paper tackles an important challenge in the development of novel medicines. It addresses the limitations of current peptide property prediction models by integrating atomic and amino acid-level information using a multilevel graph convolutional architecture. The study's innovative methodological approach may in the future be extended to other biopolymer or synthetic polymer systems, providing a powerful framework for predicting properties across a wide variety of molecular systems.</p>
<p>Nicklin Medal The Nicklin Medal is an early careers award that recognises talented chemical engineering researchers. Nominees must, at the time of the awards nomination deadline, have no more than ten years postdoctoral research experience (excluding career breaks) and should have produced international quality research outputs.</p>	<p>Guanjie He</p>	<p>Guanjie He has been honoured with the Nicklin Medal for his exemplary global leadership and significant impact in the development of innovative materials and devices aimed at advancing sustainable electrochemical energy storage solutions. His pioneering work addresses critical challenges in the pursuit of sustainable energy, showcasing his commitment to excellence in research and development.</p>
<p>Junior Sargent Medal The medal is awarded to a promising early career academic or industrial individual who has already made a significant recent contribution to the research of 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/tools leading to innovative processes/products, or a significant advance of the state of the art within the area of process systems engineering.</p>	<p>Vasileios Charitopoulos</p>	<p>Dr. Vasileios Charitopoulos is the esteemed recipient of the Junior Sargent Medal, awarded for his promising contributions to the field of computer-aided product and process engineering early in his career. His pioneering work in the theory and application of optimization under uncertainty has significantly advanced the state of the art in process systems engineering. Moreover, Dr. Charitopoulos has made notable efforts to disseminate these innovative concepts to both industry and policymakers, ensuring that his research has a tangible impact beyond academia.</p>

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<p>Sargent Medal The medal is awarded to an individual who has 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/tools leading to innovative processes/products, or a significant advance of the state of the art within the area of process systems engineering.</p>	<p>Prodromos Daoutidis</p>	<p>Prodromos Daoutidis is the illustrious recipient of the Sargent Medal, awarded for his significant recent contributions to research in computer- aided product and process engineering. His sustained efforts in advancing both theory and practice, particularly through the development of innovative control and optimization algorithms, have greatly enriched the field. Additionally, Prodromos has played a crucial role in enhancing our understanding of the role of green ammonia in sustainable production systems, promoting its application in creating environmentally friendly processes.</p>
<p>Sharma Medal The medal is presented to an individual who has, across their career, made a 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.</p>	<p>Claire Adjiman</p>	<p>Claire Adjiman is the esteemed recipient of the Sharma Medal, awarded in recognition of her significant contributions to the field of chemical engineering research throughout her career. Her pioneering research and leadership in Molecular Systems Engineering have established this emerging area as a globally recognised field of study. Her professional standing, along with numerous accolades and recognition from peers, underscores her esteemed position in the chemical engineering community and her exceptional contributions to the discipline.</p>
<p>SIESO Medal The SIESO Medal seeks to raise awareness of process safety among science, business and engineering students. The medal will be awarded annually to an individual or group of students for the best presentation of a major accident and the learning outcomes.</p>	<p>Asma Al Farsi, Asma Al Badri, Danah Allihyani</p>	<p>In recognition of their creativity and impact, the University of Sheffield team wins the SIESO Medal for their unique approach to process safety education through an Arabic podcast and insightful research on the often-overlooked hazard of popcorn polymer.</p>

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<p>Underwood Medal The medal will be awarded to an individual from academia or industry who has made a significant sustained recent contribution to research in the area of separations.</p>	<p>Zhiwei Jiang</p>	<p>The Underwood Medal has been awarded to Prof Zhiwei Jiang for his original and pioneering work on ultrathin interfacial membranes in organic media separation, pharmaceutical purification, and high-value molecular separations, addressing pressing global challenges in energy efficiency and sustainability.'</p>
<p>Warner Medal The Warner Medal will be presented 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.</p>	<p>Fanran Meng</p>	<p>Since gaining his PhD in 2017, Fanran Meng has rapidly gained an international reputation for developing a unified digital framework encompassing a range of Chemical Engineering principles to consider low carbon alternatives to conventional process routes. He is Assistant Professor of Sustainability at Sheffield University.</p>