

MEDALS AND PRIZES COMMITTEE – SUMMARY OF WINNERS FOR 2018/19

Medal	Winner	Winning paper / Supporting information
Non-delegated medals		
Ambassador Prize	Mr John C McAndrew CEng MIChemE Stantec, New Zealand	... for being a committed ambassador for IChemE and in particular to the globalisation of the Water SIG.
Council Medal	Professor Colin Webb CEng CSci FIChemE The University of Manchester, UK	... oversaw the work of the Qualifications Commission (commonly called the Webb Commission), which addressed the need to substantially transform the Institution's qualifications processes.
Greene Medal *	Mr John G Challenger FIChemE	... recognition of his 30+ years contribution to the continued development and success of the IChemE Forms of Contract and his passionate promotion of their use within the industry.
Greene Medal	Mr Richard W Hill CEng FIChemE Whitewater Ltd, UK and Mr Chris S Short CEng MIChemE Water Quality Consultant, UK	... recognition of their long-standing commitment to IChemE, with particular acknowledgment to being founder members of the Water Special Interest Group and their dedication over the past 30+ years including contributions to various publications and policy documents on water issues.
Nicklin Medal	Dr Ali K Yetisen Imperial College London	... truly committed to the advancement of biochemical engineering as evidenced from his remarkable track record. His research on biochemical sensors will impact society positively through translational medicine.
Delegated medals		
Bird Stewart & Lightfoot Medal	Professor Omar K Matar CEng FIChemE Imperial College London, UK	Contributions in the field of modelling and simulation of multiphase flows with particular emphasis on including the presence of surfactants on interfacial behaviour.
Davidson Medal	Mr Barry S Weightman CEng FIChemE KBR, UK	"...commitment goes beyond that of a manager..." "Mentorship is, without a doubt, a natural inclination to Barry..."
Geldart Medal	Professor Daryl Williams Imperial College London, UK	Notable contributions to the characterisation of physico-chemical properties of powder surfaces by dynamic vapour sorption and inverse gas chromatography methods and has created Surface Measurement Systems company for their commercialisation. His achievements have had major impact worldwide.

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Guggenheim Medal	Professor Doros Theodorou National Technical University of Athens, Greece	For deep and lasting contributions to the development of new molecular simulation methods for predicting the physical properties of materials from their chemical constitution and for understanding the basic physicochemical phenomena that shape these properties.
Morton Medal	Professor Jonathan Love CEng MChemE Imperial College London, UK	Demonstrated sustained commitment over and above the teaching within Imperial College and has clearly inspired students in chemical engineering.
Sargent Medal	Professor Nilay Shah CEng FIChemE Imperial College London, UK	Recognized as international leader in supply chain optimization and batch process scheduling.
Underwood Medal	Professor Wanqin Jin Nanjing Tech University, China	Globally-leading research in the area of membrane technologies towards application for production of clean energy and clean water.
Warner Prize	Dr Dyllon Randall MChemE University of Cape Town, South Africa	A novel example of sustainable chemical engineering addressing an urgent societal need and with much wider application.
Senior Moulton Medal	Ven Chian Quek ^{a,b} , Nilay Shah ^a and Benoit Chachuat ^a ^a Imperial College London, UK and ^b Group Research & Technology, PETRONAS, Malaysia	<i>Modelling for design and operation of high-pressure membrane contactors in natural gas sweetening</i> Chemical Engineering Research and Design, 2018, 132, 1005-1019
Junior Moulton Medal	Andrew Long and Andrew Ferguson University of Illinois at Urbana-Champaign, USA	<i>Rational design of patchy colloids via landscape engineering</i> Molecular Systems Design and Engineering, 2018, 3, 49-65
Hutchison Medal	Sompol Kohsri ^a , Apichart Meechai ^a , Chaiwat Prapainainar ^a , Phavane Narataruksa ^a , Piyapong Hunpinyo ^a and Gurkan Sin ^b ^a King Mongkut's University of Technology North Bangkok, Thailand ^b Technical University of Denmark, Denmark	<i>Design and preliminary operation of a hybrid syngas/solar PV/battery power system for off-grid applications: A case study in Thailand</i> Chemical Engineering Research and Design, 2018, 131, 346-361
Hanson Medal	Asel Sartbaeva University of Bath, UK	<i>Vaccines: The End of the Cold War?</i> The Chemical Engineer, March 2018, pages 24-29
Donald Medal	Professor Colin Webb CEng CSci FIChemE The University of Manchester, UK	He has worked tirelessly for the discipline of biochemical engineering at a high level and with great impact over many years.

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Hebden Medal	Mr Chris AA Higman FIChemE Higman Consulting, UK	His work has underpinned much of the gasification literature and knowledge over the last 40 years.
Franklin Medal	Professor David W Edwards CEng CSci FIChemE Granherne/KBR, UK	He has had a long and distinguished career in chemical engineering in academia and industry, during which he has made many theoretical and practical innovations in process safety and health.
Lees Medal	Keith Miller Independent Technical Safety Consultant, Norwich, UK	<i>Quantifying Risk and How it All Goes Wrong</i> Hazards28, Paper 24

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