



Winners of 2014 medals announced

New medals recognise excellence in research

ICHEME has revealed the winners of the 2014 round of its medals programme. The medals cover a broad range of categories including services to IChemE, outstanding papers printed in IChemE's journals and other publications –

including the best article of the year in *tce* – and achievements in specific industry sectors.

The 2014 round for the first time included medals for research excellence in a selection of categories. Winners will receive their awards at a range

of events during 2015, including at IChemE's Annual General Meeting, Chemeng Day UK in Sheffield, and a number of research conferences.

IChemE's president Geoff Maitland, who also chaired the panel of judges, said: "We had

a record number of entries to our medals programme this year and I'm delighted to be able to announce so many winners. It just goes to show how much the chemical engineering community values the honour and recognition these medals bestow."

Medal	Winner	Winning paper
Publication medals		
Senior Moulton Medal	YF Khalil, SM Opalka and BL Laube, United Technologies Research Center, US	"Experimental and theoretical investigations for mitigating NaAlH ₄ reactivity risks during postulated accident scenarios involving exposure to air or water", <i>Process Safety and Environmental Protection</i> , 91: 463–475
Junior Moulton Medal	JA Barish and JM Goddard, University of Massachusetts, US	"Anti-fouling surface modified stainless steel for food processing", <i>Food and Bioproducts Processing</i> , 91: 352–361
Hutchison Medal	J Sacher (Pontificia Universidad Católica de Chile, Chile), L Garcia-Llobodanin, F Lopez (Universitat Rovira i Virgili, Spain), H Segura (Universidad de Concepción, Chile) and JR Perez-Correa (Pontificia Universidad Católica de Chile, Chile)	"Dynamic modelling and simulation of an alembic pear wine distillation", <i>Food and Bioproducts Processing</i> , 91: 447–456
Hanson Medal	Andrew McCarter, The Blacksmith Institute, US	"Hidden dangers" <i>tce</i> , May 2014, pages 28–32
Research medals		
Sargent Medal	Ignacio Grossmann, Carnegie Mellon University, US	Significant contribution to computer-aided product and process engineering
Underwood Medal	(Neal) Tai-Shung Chung, National University of Singapore	Exceptional research in separations
Guggenheim Medal	George Jackson, Imperial College London, UK	Research excellence in thermodynamics and/or complex fluids
Geldart Medal	Colin Thornton, University of Birmingham, UK	Outstanding contribution to particle science
Frank Morton Medal	Redhouane Henda, Laurentian University, Canada	Excellent work in chemical engineering education
Warner Medal	Camille Petit, Imperial College London, UK	Exceptional promise in sustainable chemical process technology, nuclear technology and making chemical engineering more accessible
Nicklin Medal	Niall MacDowell, Imperial College London, UK	Exceptional contribution to the process sciences by an author who has graduated within the last ten years
SIG medals & prizes		
Donald Medal	Crawford Brown, Actavis Biologics	Outstanding services and research in biochemical engineering
MacNab Lacey Prize	Monash University; Project: Ammonia from Black Liquor	Best design project at university with particular reference to sustainability
Services to the Institution		
Arnold Greene Medal	Stephen Richardson, Imperial College London, UK Ron Dalton	His long-standing engagement with the IChemE journals His contribution to the Scottish Member Group.
Council Medal	Ken Morison, Canterbury University, New Zealand	Dedicated work as editor-in-chief of <i>Food and Bioproducts Processing</i> & significant input into journals contract review
Ambassador Prize	Paul Fennell, Imperial College London, UK	His broad range of outreach activities, including advising the UK government on decarbonisation, chairing the new Clean Energy SIG, and helping promote science and engineering to the general public.