



Canadian Society for Chemical Engineering | ***For Our Future***

CSChE Awards

Terms of Reference and Lists of Award Recipients

CSChE Awards

The Canadian Society for Chemical Engineering Awards program recognizes outstanding contributions to further chemical engineering or influence others to learn about it. Most CSChE award winners receive their awards and present award lectures at the Canadian Chemical Engineering Conference

This CSChE Awards Handbook provides the Terms of Reference for each award along with a list of current and past winners. The awards are

Award for Best Graduate Student Paper in *The Canadian Journal of Chemical Engineering*

Award in Design and Industrial Practice

The Canadian Journal of Chemical Engineering Lectureship Award

D. G. Fisher Award

Hatch Innovation Award (formerly Syncrude Canada Innovation Award)

Process Safety Management Award

R. S. Jane Memorial Award

Award for Best Graduate Student Paper in *The Canadian Journal of Chemical Engineering*

This award will be given for outstanding published work in *The Canadian Journal of Chemical Engineering* by a graduate student while studying at a Canadian university during a 12-month publication period. This award is presented to the graduate student author(s) of a single paper. The graduate student must be the primary author. Faculty advisors may be co-authors.

Terms of Reference

Sponsor: *The Canadian Journal of Chemical Engineering*

Award:

- A Certificate
- One CSChE Conference registration. The winner is expected to present a paper at the Canadian Chemical Engineering Conference. If there is more than one graduate student authoring the paper, only one registration will be paid.
- A short bio of the award winner will be published in *The Can. J. Chem. Eng.* to showcase the winner's work (For multiple graduate student authors, biographies of each graduate student will be published)

Membership in the CSChE is not a requirement.

No application for the award is required.

Selection Committee: The Publications Committee is responsible for choosing a winner from a list of candidates prepared by the *Can.J.Chem.Eng.* editor and associate editors. The committee will consider originality and quality of research or design, theoretical soundness and impact in making its choices.

The committee reserves the right not to award a prize in any given year if they deem that the papers are not of high enough quality.

List of Recipients

| Date | Award Winner | Award Lecture |
|------|---------------------|--|
| 2018 | Michaela K. McGurn | |
| 2017 | Chaimongkol Saengow | |
| 2016 | Aida Sharif Rohani | Multi-objective Optimization of Biobutanol Production |
| 2015 | Ali Saarvi | Facile One Step-Synthesis and Characterization of High Aspect Ratio Core-Shell Copper-Polyaniline Nanowires |
| 2014 | Ali Shekari | Transient Kinetics of In-butane Partial Oxidation of Elevated Pressure |
| 2013 | Mohammed Alaqqad | The Permeability of Wood-Chip Beds: The Effect of Compressibility”, <i>Can J Chem Eng</i> 2012, 90, 1278-1288 by M Alaqqad, CPJ Bennington, DM Martinez. |

Award in Design and Industrial Practice

This award is presented to a Canadian citizen or a resident of Canada for innovative design or production activities accomplished in Canada.

Terms of Reference

Deadline: December 1 every year

Sponsor: Ryerson University Department of Chemical Engineering

Award: A plaque and \$1,500 cash

Eligibility: The activities may have resulted in a significant achievement in product or process design, small or large company innovation, or multidisciplinary design-directed research or production. The achievement will relate to the practice of chemical engineering and/or industrial chemistry whether in research and development, process implementation, entrepreneurialism, innovation, production or some combination of these. It may be via a well-known, long-standing reputation for translating chemical engineering principles into design and industrial practice which contributes to the profession as a whole.

The award is open to all chemical engineers and industrial chemists or those practicing these disciplines; it is not restricted to those whose normal employment is in the industrial sphere.

Nominations must include:

- **Citation (250 word maximum)** statement of why the candidate should receive the award. This is the key document in the nomination and this information should be relevant to the achievements for which the award is being offered.
- **Biographical Sketch (maximum one page)** This provides background information on the nominee and summarizes past accomplishments. This is a summary of information obtained from a C.V.
- Curriculum Vitae (maximum nine pages).
- **Supporting Letters (3 to 5)** At least two letters must be from outside the nominee's organization.

Membership in the Institute is not a prerequisite for this award.

All nominations will remain in force for three years. Nominators are responsible for keeping the record of the nominee up to date and complete.

Selection Committee

- CSChE Director of Awards as non-voting Chair
- CSChE Past President
- CSChE Vice-President
- Two past winners of this award

The award shall be presented annually unless the committee considers that no suitable candidate has been nominated.

The award shall be presented at the Canadian Chemical Engineering Conference. The recipient will be required to present an award lecture.

List of Recipients

| Date | Award Winner | Award Lecture |
|------|----------------|--|
| 2018 | Ying Zheng | Heterogeneous Catalysis and Engineering in Green Fuel Production |
| 2017 | David Beckman | Scaling Up Bioenergy and Biochemical Process Technology |
| 2016 | No award given | |
| 2015 | Biao Huang | Robust Model Identification for Practice: Probabilistic Approaches |
| 2014 | Ajay Dalai | Hydrotreating of Bitumen Derived Heavy Gas Oil Using Novel Adsorbent and Catalysis |
| 2013 | Kelly Hawboldt | |
| 2012 | Franco Berruti | Pyrolytic Conversion of Biomass Residues into Valuable Bio-Iol and Bio-Carbon Products |
| 2011 | Choon Jim Lim | Design Implementation in Modern Chemical Engineering Teaching and Research |

| | | |
|------|------------------|---|
| 2010 | Donald F. Weaver | The Rise of Micropharma |
| 2009 | Zhenghe Xu | Development of Chemical and Materials Engineering |
| 2008 | Yonghao Ni | Properties of High Yield Pulps (HYP) and Their Applications to Various Paper Grades |
| 2007 | Jesse Zhu | Manipulating Fine Particles for the Best Industrial Practice |

CSCHE Award in Industrial Practice

Sponsored by Bayer Inc.

| | | |
|------|-----------------------|--|
| 2006 | John F. MacGregor | Learning from Industrial Data: the Key to Productivity and Quality Improvement |
| 2005 | Larry Seeley | Key Success Factors in Building "Lakefield Research Limited" into a Worldwide International Technology Knowledge Service Company |
| 2004 | Victor Uloth | Investigations into the Variability and Control of Dioxins Formation and Emissions from Coastal Power Boilers |
| 2003 | Murray Gray | |
| 2002 | Phillip J. Simmons | |
| 2001 | Hugo de Lasa | |
| 2000 | Enno Agur | |
| 1999 | Keith Marchildon | |
| 1998 | J.M. Hay | |
| 1997 | Laurier L. Schramm | |
| 1996 | M. A. Poirier | |
| 1995 | K.T. Chuang | |
| 1994 | Garry Rempel | |
| 1993 | P. Fink | |
| 1992 | Jacob Masliyiah | |
| 1991 | T. Hoffman | |
| 1990 | A. W. Hyndman | |
| 1989 | DuPont Canada Inc. | |
| 1988 | N. E. Cooke | |
| 1987 | E. T. Tollefson | |
| 1986 | No award | |
| 1985 | J. Mardon | |
| 1984 | T. Courtnage | |
| 1983 | Sherritt Gordon Mines | |
| 1982 | H.C. Prime | |
| 1981 | R.S. Dudley | |
| 1980 | E. N. Banks | |
| 1979 | K. Pugi | |
| 1978 | R. F. Routledge | |
| 1977 | J. F. Gilbert | |

The Canadian Journal of Chemical Engineering Lectureship Award

Terms of Reference

The Canadian Journal of Chemical Engineering Lectureship Award is awarded to a Canadian citizen or landed immigrant who has made an outstanding contribution to chemical engineering, demonstrating exceptional promise, while working in Canada. Eligible candidates must have held their first professional appointment as an independent researcher in academia, government, or industry for seven years or less at the time of nomination submission.

Deadline: December 2 of every year.

Sponsor: *The Canadian Journal of Chemical Engineering*

Award: A short bio of the award winner will be published in *Can. J. Chem. Eng.* together with a feature paper written by the award winner summarizing his or her contributions in chemical engineering. A lecture tour to three North American universities or research centers. One of the lectures should be jointly coordinated by a CIC-CSCHE local section and a university or research centre. Up to \$5,000 for this tour in travel costs (with a one-year limit to claim after receiving the award) will be reimbursed on application to The Can. J. Chem. Eng. Editor-in-Chief

Nominations must include:

- **Citation (250 word maximum)** statement of why the candidate should receive the award. This is the key document in the nomination and this information should be relevant to the achievements for which the award is being offered.
- **Biographical Sketch (maximum one page)** this provides background information on the nominee and summarizes past accomplishments. This is a summary of information obtained from a C.V.
- Curriculum Vitae (maximum nine pages).
- **Supporting Letters (3 to 5)** At least two letters must be from outside the nominee's organization.

Membership in the CIC is not a prerequisite for this award.

All nominations will remain in force for three years. Nominators are responsible for keeping the record of the nominee up to date and complete.

The award shall be presented annually unless the committee considers that no suitable candidate has been nominated.

Selection Committee:

- *Can. J. Chem. Eng.* **Editor-in-Chief as non-voting chair**
- **All Canadian *Can. J. Chem. Eng.* Associate Editors**

The recipient will be required to present an award lecture.

List of Recipients

| Date | Award Winner |
|-------------|---------------------|
| 2018 | Thomas A. Adams II |
| 2017 | Alison McGuigan |
| 2016 | Hongbo Zeng |

D.G. Fisher Award

This award is presented to an individual who has made substantial contributions to the field of systems and control engineering while a resident of Canada. The award is given in recognition of significant contributions in any, or all, of the areas of theory, practice and education.

Terms of Reference

Deadline: February 28 of each year. For 2017, the deadline is March 15.

Sponsors: Department of Chemical and Materials Engineering, University of Alberta; Suncor Energy Foundation and Shell Canada Limited. Administered by the CIC's Chemical Education Fund.

Award: A plaque, \$1,000 cash and reasonable expenses, to a maximum of \$500.

Nomination must include:

- **Citation (250 word maximum)** statement of why the candidate should receive the award. This is the key document in the nomination and this information should be relevant to the achievements for which the award is being offered.
- **Biographical Sketch (maximum one page)** this provides background information on the nominee and summarizes past accomplishments. This is a summary of information obtained from a C.V.
- **Curriculum Vitae** (maximum nine pages).
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- **Supporting Letters (3 to 5)** At least two letters must be from outside the nominee's organization.

The Award Selection Committee will select the award recipient based on the contributions by the nominee, letters of support and, where necessary, the solicited advice of experts.

Membership in the Institute is not a prerequisite for this award.

Award Selection Committee

- Vice-Chair of the Systems and Control Division (Chair of Committee)
- The remaining three committee members will be chosen so as to ensure adequate representation of the Canadian systems and control community.
- The members of the selection committee will be appointed to ensure that the committee contains at least one member from each of the following areas:
 - Canadian Industrial practitioners
 - Academics who hold a tenure track position at a Canadian university or a senior researcher from other Canadian institutions
 - Manitoba, Saskatchewan, Alberta, British Columbia, Yukon Territories, North West Territories or Nunavut,
 - Ontario, Quebec, New Brunswick, Nova Scotia, Prince Edward Island, Newfoundland & Labrador.
 - Nominations will be solicited and members of the selection committee will be appointed each year by the executive of the Systems and Control Division of the CSChE. Sponsors shall have the option of designating a non-voting member to the selection committee.

The award shall be presented annually unless the committee considers that no suitable candidate has been nominated.

The award shall be presented at the Canadian Chemical Engineering Conference. The recipient will be required to present an award lecture.

List of Recipients

| Date | Award Winner | Award Lecture |
|------|--------------|---|
| 2018 | Martin Guay | Fast Extremum Seeking Control: Theory, Methods and Applications |
| 2017 | Kim McAuley | Modeling of Chemical Processes: Challenges and Opportunities |
| 2016 | Paul Nomikos | Data Driven Value Creation |

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|--|--------------------|--|
| 2015 | Peter L. Douglas | The PSE of Things – Applications to Carbon Capture & Storage |
| 2014 | Hector Budman | Application of Polynomial Chaos Expansions to Robust Control and Robust Optimization of Chemical Processes |
| 2013 | Biao Huang | Real-time Predictive Inference of Critical Process Variables in the Presence of Uncertainties |
| 2012 | No award presented | |
| 2011 | David Shook | A Practical Approach to Plant-Wide Control of a Hybrid System: Application to a Portable SAGD Plant |
| 2010 | J. Fraser Forbes | Plant-Wide Decision-Making: Distributing the Load |
| 2009 | Michel Perrier | Challenges in Biosystems Control and Optimization |
| 2008 | Thomas Marlin | A Robust MPC Approach to Supply Chain Optimization |
| 2007 | Barry Cott | Unit-Wide Model Predictive Control with SMOCPPro |
| 2006 | Sirish L. Shah | Plant Health Management: the Role of Digital Automation Systems in Process Monitoring |
| 2005 | Thomas Harris | Interpretations and Analysis of Performance Bounds for Multivariable Systems |
| 2004 | David W. Bacon | |
| 2003 | Guy Dumont | |
| 2002 | Park Reilly | |
| Previously administered directly by the Systems and Control Division | | |
| 2001 | John F. MacGregor | |

Hatch Innovation Award

The award shall be presented to a resident of Canada who has made a distinguished contribution to the field of chemical engineering while working in Canada. Nominees for this award shall not have reached the age of 40 by January of the year in which the nomination becomes effective.

Terms of Reference

Deadline: December 1 of each year.

Sponsor: Hatch

Award: A certificate and \$2,000 cash.

Nominations must include:

- **Citation (250 word maximum)** statement of why the candidate should receive the award. This is the key document in the nomination and this information should be relevant to the achievements for which the award is being offered.
- **Biographical Sketch (maximum one page)** This provides background information on the nominee and summarizes past accomplishments. This is a summary of information obtained from a C.V.
- Curriculum Vitae (maximum nine pages).
- **Supporting Letters (3 to 5)** At least two letters must be from outside the nominee's organization.

All nominations will remain in force for three years. Nominators are responsible for keeping the record of the nominee up to date and complete.

Membership in the Institute is not a prerequisite for this award.

The award shall be presented annually unless the committee considers that no suitable candidate has been nominated.

The award shall be presented annually at the Canadian Chemical Engineering Conference. The recipient will be asked to present an award lecture.

The recipient of the award is encouraged to submit to the Editor of The Canadian Journal of Chemical Engineering a manuscript based on the award lecture, having contents appropriate to the journal's objectives, for consideration of publication.

Selection Committee

- CSChE Director of Awards as non-voting Chair
- President, CSChE
- Two past winners of the Syncrude Award

The award shall be presented annually unless the committee considers that no suitable candidate has been nominated.

List of Recipients

| Date | Award Winner | Award Lecture |
|------|---|---|
| 2018 | Hongbo Zeng and Surface Interactions | Developing Multifunctional Soft Materials through Tunable Intermolecular a |
| 2017 | Alison McGuigan | Engineered Tissue Platforms for Probing Fundamental Tissue Biology and Identifying Novel Therapeutics |
| 2016 | Nathalie Tufenkji | Can Natural Extracts Help Us in the Fight against Antibiotic Resistance? |
| 2015 | Milica Radsic | Human Biowires and Injectable Tissues |

Syncrude Canada Innovation Award

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|------|-------------------|--|
| 2014 | Krishna Mahadevan | Model-based Engineering of Metabolism |
| 2013 | Santiago Faucher | Mscromolecular Re-Engineering, an Alternate Path to Sustainability |
| 2012 | Edgar Acosta | <i>Did not present a lecture</i> |

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|------|---------------------------------|--|
| 2011 | Charles Xu | Forest Biorefinery—Maximizing the Value of Trees |
| 2010 | Ying Zheng | The Call of the Green: Transformation of Cleaner Fuels |
| 2009 | Josephine Hill | Why Catalysts are a Key Part of a Sustainable Future |
| 2008 | Janet Elliott | Thermodynamics: Everything Old is New Again |
| 2007 | Martin Guay | Adaptive Optimization Techniques for Control and Estimation |
| 2006 | Suzanne Kresta | Mixing as a Discipline: Emerging From the Essentials of Equipment Design to Fundamental Control of the Scale of Segregation |
| 2005 | Biao Huang | Dynamic Realization and Prediction in Fuel and Biomedical Cells |
| 2004 | Yonghao Ni | Technological Advances in the Brightening of High-Yield Pulps |
| 2003 | Molly Shoichet | Tissue Engineering Strategies for Spinal Cord Injury Repair |
| 2002 | Michael Cunningham | Challenges and Critical Issues in Heterogeneous Living Radical Polymerization |
| 2001 | Joao B.P. Soares | |
| 2000 | Costas Tzoganakis | |
| 1999 | Jesse Zhu | |
| 1998 | Rajinder Pal | |
| 1997 | William R. Cluett | |
| 1996 | Murray R. Gray | |
| 1995 | Basil D. Favis | |
| 1994 | David Lynch | |
| 1993 | Alexander Penlidis | |
| 1992 | J. Luong | |
| 1991 | Krishnaswamy (Kumar) Nandakumar | |
| 1990 | C. Roy | |
| 1989 | Sirish L. Shah | |
| 1988 | M. Sefton | |
| 1987 | Daniel De Kee | |
| 1986 | Axel Meisen | |
| 1985 | James F. Kelly | |
| 1984 | B. M. Sankey | |
| 1983 | John R. Grace | |
| 1982 | C. R. Phillips | |
| 1981 | Martin Terman | |
| 1980 | R. Luus | |
| 1979 | A. Paul Watkinson | |
| 1978 | Edward Rhodes | |
| 1977 | B.B. Pruden | |
| 1976 | Michael E. Charles | |
| 1975 | C. Edward Capes | |
| 1974 | A. E. Hamielec | |
| 1973 | Murray Moo-Young | |
| 1972 | I. S. Pasternak | |
| 1971 | N. J. Themelis | |
| 1970 | T. W. Hoffman | |

Process Safety Management Award

This award is presented to an individual who has made outstanding contributions in Canada to process safety and loss management.

Terms of Reference

Deadline: December 1 of each year

Sponsor:

Award: A framed scroll, cash prize of \$1,500

In selecting the recipient of the award, the Committee will consider primarily the direct influence of the nominee's Process Safety and Loss Management (PSLM) work to the prevention of major industrial accidents in Canada. Meritorious performance of an administrative or indirect nature shall receive secondary consideration.

Nominations must include:

- **Citation (250 word maximum)** statement of why the candidate should receive the award. This is the key document in the nomination and this information should be relevant to the achievements for which the award is being offered.
- **Biographical Sketch (maximum one page)** This provides background information on the nominee and summarizes past accomplishments. This is a summary of information obtained from a C.V.
- Curriculum Vitae (maximum nine pages).
- **Supporting Letters (3 to 5)** At least two letters must be from outside the nominee's organization.

Suggested information to include in letter:

- state your relationship to the nominee, how long you've known that individual and your connection with him/her.
- outline the achievements of the nominee: what did he/she accomplish, when, where and the outcome.
- speak to the character of the nominee: leadership qualities, outreach to the community, etc,
- other personal information you deem important for this award.

Membership in the Institute is not a prerequisite for this award.

All nominations will remain in force for three years. Nominators are responsible for keeping the record of the nominee up to date and complete.

The award shall be presented annually at the Canadian Chemical Engineering Conference. The recipient will be asked to present an award lecture.

Selection Committee:

- CSChE Director of Awards as non-voting Chair
- Past President of the CSChE
- Chair of the PSM Division
- Immediate Past Chair of the PSM Division
- Most recent PSM Award winner

The award shall be presented annually unless the committee considers that no suitable candidate has been nominated.

List of Recipients

| Date | Award Winner | Award Lecture |
|------|----------------------|---|
| 2018 | Michael Reid McPhail | Process Safety Management: Why We Do What We Do |
| 2017 | Paul Amyotte | We Can Do Better |
| 2016 | Richard Piette | Implementation of PSM Systems Rely On Strong Leadership Commitment to Succeed. Often the Need to Incorporate Strong Technical Capabilities is Forgotten |
| 2015 | David Guss | Implementing PSM – Where is the Finish Line? |
| 2014 | Faisal Khan | <i>did not present a lecture</i> |

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|------|-----------------------|---|
| 2013 | Graeme Norval | Aspects of Changing the Safety Culture in Today's Universities |
| 2012 | Manuel Marta | Multiple Dust Explosions in B.C. – Opportunity to Understand Contributing Factors. At –Risk Safeguarding Measures and Systems, Standards, and Regulations |
| 2011 | Della Wong | Building Your Process Safety Engineering Experience |
| 2010 | Brian Kelly | Process Safety Beyond Regulations |
| 2009 | John Shrives | Reflection on Process Safety Management – A Regulator's Perspective |
| 2008 | Jan Windhorst | Econo-Technical Influences and Process Safety Management |
| 2007 | Ertugral Alp | Risk Assessment and PSM |
| 2006 | Laird Wilson | The Practical Essentials of Industrial Risk Management |
| 2005 | Gerry Phillips | Understanding and Applying the Science: A Case Study in Eliminating Process Fires |
| 2004 | Graham Creedy | Forty Shades of Grey, or Why Lewis Carroll is My Favourite Management Guru |
| 2003 | Jean-Paul Lacoursière | |

R. S. Jane Memorial Award

This award is presented to a person who, while residing in Canada, has made an exceptional achievement in the field of chemical engineering or industrial chemistry.

Terms of Reference

This is the premier award of The Canadian Society for Chemical Engineering.

Deadline: December 1 of each year.

Sponsor: Canadian Society for Chemical Engineering.

Award: A scroll, \$3,000 cash and registration fee to the CSChE Conference (No travel expenses will be reimbursed).

The recipient may become eligible for the award in a subsequent year, provided that he/she has made new significant contributions to chemical engineering or industrial chemistry in Canada.

Nominations must include:

- **Citation (250 word maximum)** statement of why the candidate should receive the award. This is the key document in the nomination and this information should be relevant to the achievements for which the award is being offered.
- **Biographical Sketch (maximum one page)** This provides background information on the nominee and summarizes past accomplishments. This is a summary of information obtained from a C.V.
- Curriculum Vitae (maximum nine pages).
- **Supporting Letters (3 to 5)** At least two letters must be from outside the nominee's organization.

Membership in the Institute is not a prerequisite for this award.

All nominations will remain in force for three years. Nominators are responsible for keeping the record of the nominee up to date and complete.

The award shall be presented annually at the Canadian Chemical Engineering Conference. The recipient will be asked to present an award lecture.

The recipient of the award is encouraged to submit to the Editor of The Canadian Journal of Chemical Engineering a manuscript based on the award lecture, having contents appropriate to the journal's objectives, for consideration of publication.

Selection Committee

- CSChE Director of Awards as non-voting Chair
- President of the CSChE
- Vice-President of the CSChE
- 2 past winners of the R. S. Jane Award

The award shall be presented annually unless the committee considers that no suitable candidate has been nominated.

The R. S. Jane Memorial Award was established in 1960 to commemorate the memory of the late Dr. Robert Stephen Jane who made an outstanding contribution to the chemical profession and the chemical industry in Canada.

List of Recipients

| Date | Award Winner | Award Lecture |
|------|--------------------|--|
| 2018 | Jamal Chaouki | The Development of Industrial (Thermal) Processes in a Context of Sustainability |
| 2017 | Sirish L. Shah | From Autonomous Cars to Autonomous Processes: Hype or Reality? |
| 2016 | Shiping Zhu | Polymer Reaction Engineering for Advanced Materials |
| 2015 | James Piret | Engineering for Protein and Cellular Therapy from nL to 1,000 L Bioreactors |
| 2014 | David P. Wilkinson | Growth of Electrochemical Engineering in a Clean Sustainable-Energy Future |
| 2013 | Jesse Zhu | Fluidization: the Past, the Present and the Future |
| 2012 | Michael Sefton | Blood, Guts and Chemical Engineering |
| 2011 | John F. MacGregor | Learning from Data—The Engineer's Achilles' Heel |

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|------|---------------------------------|--|
| 2010 | Douglas W. Reeve | |
| 2009 | Pierre Carreau | Rheological Behaviour of Polymer Nanocomposites |
| 2008 | Krishnaswamy (Kumar) Nandakumar | Multiphase Computational Fluid Dynamics: A New Tool to Aid in Scale Up of Chemical Processes |
| 2007 | Paul Watkinson | Asphaltenes, Gums and Coke: Deposition onto Surfaces During Processing of Hydrocarbons |
| 2006 | John L. Brash | Biomaterials: Protein-Surface Interactions and Biocompatibility |
| 2005 | James W. Smith | Culture Change and Innovation |
| 2004 | Hugo De Lasa | Photocatalysis: Light, Energy and the Environment |
| 2003 | Murray Moo-Young | Bioreactor Systems Design Revisited |
| 2002 | W.J. Murray Douglas | Life in the 100-micron Fast Lane: Adventures in Process and Materials Engineering |
| 2001 | Clifton A. Shook | |
| 2000 | Jacob Masliyah | |
| 1999 | K.T. Chuang | |
| 1998 | Garry Rempel | |
| 1997 | E.L. Tollefson | |
| 1996 | Maurice A. Bergougnou | |
| 1995 | John R. Grace | |
| 1994 | A.E. Hamielec | |
| 1993 | Clem Bowman | |