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Outstanding CIM-MetSoc Student Chapter Award

This Student Chapters of Excellence Contest recognizes student chapters for their programming efforts and member participation. Winning chapters receive a cash award of \$500 and a certificate.

2011 Outstanding CIM-MetSoc Student Chapter Award recipient —
McGill University



Gordon M. Ritcey Award

The award was established by the Hydrometallurgy Section in 2004 in honour of Gordon M. Ritcey, a Canadian hydrometallurgist whose accomplishments, particularly in the field of solvent extraction, became known throughout the world. This award recognizes outstanding scholarship in the pursuit of a graduate degree in hydrometallurgy.

2011 recipient — Ghazaleh Nazari, University of British Columbia



Thesis (PhD) description: Nazari's work has shown that using miniscule amounts of silver to enhance the galvanic properties of pyrite greatly accelerate the rate of leaching of chalcopyrite in the Galvanox process, in which pyrite is used to catalyze the dissolution of chalcopyrite. Prior to Nazari's work, pyrite from different sources was shown to have different catalytic properties. Nazari's work has eliminated the source of the pyrite as a process uncertainty.

Previous recipients:

2004 — F. Lagno

2005 — L. Munholand

2006 — J. Vaughan

2007 — B. Rivera-Vasquez

2008 — F. Xie

2009 — G. Azimi

2010 — I. Perederiy

This award will be presented at the Hydrometallurgy Section luncheon combined with the Gold luncheon.

Non-ferrous Pyrometallurgy

Best Paper Award

The award has been established by the Non-Ferrous Pyrometallurgy Section to recognize the best paper in this field published in the CIM Journal or the Canadian Metallurgical Quarterly during the last year.

2011 Best Paper — Mika Muinonen, Gabriel Plascencia and Torstein Utigard, "Fluid Bed Roasting of Nickel-Copper Matte," Canadian Metallurgical Quarterly, Vol. 49, No.2 pp.155–162, 2010.

Abstract Fluid bed roasting of Bessemer matte containing copper, nickel and sulphur was carried out on a laboratory scale at temperatures from 900°C to 1050°C. Below 900°C the kinetics are too slow and above about 1050°C, fluid bed roasting becomes difficult due to rapid agglomeration caused by liquid phase sintering. The oxidation of the first 80% of the total sulphur in the samples was rapid while the remaining 20% took significantly longer. The initial rapid oxidation allowed for the formation of oxide layers around the otherwise molten sulphides minimizing the tendency for agglomeration and sticking. The roasted calcine formed a NiO phase saturated with 30% tenorite (CuO) in solid solution.

Light Metals Best Paper Award

The award has been established by the Light Metals Section. It recognises the best paper from the Light Metals Proceedings of the previous year's Conference of Metallurgists.

2011 Best Paper — XinMei Shi, Daan M. Maijer and Guy Dumont "Determination of the optimal location to monitor temperature during Low Pressure Die casting," *Advances in Materials and Processes*, (Ed. by D. Gallienne, M.Bilodeau), COM2010, CIM, Montreal, 2010 p. 3–13.

Abstract Controlling and eliminating defects, such as macro porosity, in Low Pressure Die Casting (LPDC) is an on-going challenge that manufacturers must continually address. Since macro porosity caused by liquid encapsulation cannot be directly measured during casting, die temperature is typically monitored to assess the state of an operational casting process and with suitable analysis may be used as an indirect indicator of shrinkage. In this work, a model-based methodology is employed to analyze the correlation between die temperature and encapsulated liquid volume. This methodology is then used to assess the effectiveness of temperature monitoring at different locations in a die to predict encapsulated liquid volume. Based on this analysis, the optimal location to monitor temperature for the purpose of minimizing macro porosity has been determined. The proposed technique has been tested with a model of a low pressure die casting purposely designed to be susceptible to macro porosity.

MetSoc Best Paper Award

The Metallurgy and Materials Society's Best Paper Award is presented to the best paper published in either the Canadian Metallurgical Quarterly or the CIM Journal, during the year preceeding the COM. It is adjudicated by Publications Committee.

2011 Best Paper — Hani Henein; Vincent Buchoud; Ralf-Roman Schmidt; Chuck Watt; Dmitri Malakhov; Charles-André Gandin; Gerard Lesoult; Volker Uhlenwinkel, "Droplet Solidification of Impulse Atomized Al-0.61Fe and Al-1.9Fe," Canadian Metallurgical Quarterly, Vol. 49, No.3, 2010, pp. 275-292.

Abstract Al-0.61wt%Fe and Al-1.9wt%Fe alloys were atomized in helium and nitrogen atmospheres, using impulse atomization. The microstructure of the droplets atomized in helium and nitrogen were characterized using a number of techniques including X-ray diffraction, micro-tomography and scanning electron microscopy (SEM). In both alloys, a fully dendritic microstructure with α -Al present as the primary phase and lamellar interdendritic regions were found. The volume fraction of eutectic was measured as a function of particle size, atomized gas and Fe content. These measurements clearly indicate that a significant amount of microsegregation and metastability occurs for both alloys. Measurements of the volume fraction of eutectic were used to estimate the degree of eutectic undercooling. It is found that assuming that the eutectic is composed of α -Al and Al₄Fe phases, the undercooling is about 10°C and 17°C for the 0.61 and the 1.9 wt% Fe alloys. The maximum solubility of Fe in the primary α -Al phase is 0.068 wt% and 0.12 wt% in the 0.61 and 1.9 wt% Fe alloys and the eutectic is found at 3.1 and 5.5 wt% Fe for these two alloys, respectively. Calculated cooling rates using the metastable values of the phase diagram for each alloy showed that the cooling rates ranged from 20 to 10,000 K/s. The measured cell spacing λ , was linked to the cooling rate CR according to the equation $\lambda = B \times CR^{-n}$ where B and n are constants, depending on the composition of the alloy. Good agreement was found between the experimentally determined coefficients B and n and those calculated from the coarsening model proposed by Kurz and Fisher.

ArcelorMittal Dofasco Award

The award is to recognise highly significant contributions in the field of materials engineering. It is adjudicated by the Materials Section of the Metallurgy and Materials Society of CIM.

2011 recipient — Arthur D. Pelton

“For his innovative leadership in the field of computational thermodynamics, as applied to metallurgical and chemical systems of significance to both industrial and academic research.”



Arthur D. Pelton is Professor Emeritus in the Dept. of Chemical Engineering and co-director of the Center for Computational Thermochemistry at the Ecole Polytechnique in Montreal, Quebec.

Arthur Pelton received his undergraduate and graduate degrees from the Dept. of Metallurgy and Materials Science at the University of Toronto (PhD in 1970). Following post-doctoral studies at the Technical University in Clausthal, Germany and at MIT, he joined the faculty of the Ecole Polytechnique in the Dept. of Materials Engineering in 1973. Dr. Pelton has co-authored over 250 technical papers and 14 book chapters and holds 2 patents. He is a Fellow of CIM and of ASM. As well, he is a Fellow of the Royal Society of Canada and of the Canadian Academy of Engineering. He is a co-recipient of the AIME Extraction & Processing Distinguished Lecturer Award and of the Falconbridge Innovation Award, as well as a recipient of other national and international awards. His primary field of interest is chemical thermodynamics. He is a co-founder of the FactSage thermodynamic database computing system.

Previous recipients:

1979 — J.D. Embury	1990 — D.J. Lloyd	2001 — G. Palumbo
1980 — E.C.W. Perryman	1991 — W.R. Tyson	2002 — M. Chaturvedi
1981 — E.G. Behal	1992 — I. Ritchie	2003 — S. Yue
1982 — J.J. Jonas	1993 — J.E. Gruzleski	2004 — D. Wilkinson
1983 — D.B. McCutcheon	1994 — J.I. Dickson	2005 — H. King
1984 — J.A. Schey	1995 — B. Hawbolt	2006 — H. Mostaghaci
1985 — A. Mitchell	1996 — S.R. MacEwen	2007 — M. Militzer
1986 — J.D. Boyd	1997 — M. Sahoo	2008 — F. Ajersch
1987 — L.R. Morris	1998 — R.A.L. Drew	2009 — G. R. Purdy
1988 — G.C. Weatherly	1999 — I.V. Samarasekera	2010 — no award
1989 — W. Wallace	2000 — U. Erb	

Sherritt Hydrometallurgy Award

The award was established in 1976 by Sherritt Gordon Mines Limited to recognize significant contribution in the field of hydrometallurgy.

2011 recipient — Michael E. Chalkley

“In recognition of his significant contributions to the metallurgical industry, and in particular his lasting contributions to existing commercial hydrometallurgical processes.”



Michael E. Chalkley has been Senior Vice President, Technologies, Sherritt International Corporation, since 2007. From 2001 to 2007, he was Senior Vice President, Metals, responsible for the nickel and cobalt operations based in Moa, Cuba and Fort Saskatchewan, Alberta. From 1998 to 2001, he was Vice President, Technologies responsible for providing technical support to the Moa and Fort Saskatchewan operations.

Upon formation of the Metals Enterprise joint venture in 1994, between Sherritt and the Cuban state, Dr. Chalkley served as Technical Manager at the Moa Nickel Mine and Processing plant in Moa until 1997, a period during which production at the facility more than doubled.

Mike Chalkley’s career began in South Africa in 1973, where he worked in Rustenburg, in the Base Metals Refinery. He joined Sherritt in 1980.

Previous recipients:

1977 — G.M. Ritcey	1989 — R.C. Kerby	2001 — C.J. Ferron
1978 — A.W. Ashbrook	1990 — P. Claessens	2002 — I. Mihaylov
1979 — G. Van Weert	1991 — B.R. Conard	2003 — K.S. Fraser
1980 — D.A. Huggins	1992 — I.M. Masters	2004 — V.G. Papangelakis
1981 — R.W. Stanley	1993 — L.I. Rosato	2005 — M. Collins
1982 — G.M. Swinkels	1994 — D. Dreisinger	2006 — P. Kondos
1983 — V.A. Ettel	1995 — B. Harris	2007 — J. F. Turgeon
1984 — J.E. Dutrizac	1996 — B. Krysa	2008 — No Award
1985 — D.R. Weir	1997 — C.A. Fleming	2009 — D. Kerfoot
1986 — R. Berezowsky	1998 — D.W. Ashman	2010 — D. G. Dixon
1987 — P. Garritsen	1999 — G. Houlachi	
1988 — V.I. Lakshmanan	2000 — G.P. Demopoulos	

Teck Environmental Award

This award has been established by Teck to promote innovation and development in the field of environmental control technology for the metallurgical industry in Canada. The award recognizes significant contributions to the field of environmental science and engineering and sustainable development in the metallurgical industry.

2011 recipient — Richard Lawrence

“In recognition of his significant contributions to the field of environmental science and engineering in the area of Acid Rock Drainage. Dr. Lawrence’s research in the area of ARD has advanced the knowledge of prediction methods, improved waste management practices, and developed new water treatment methods.”



Richard Lawrence is the Principal of Lawrence Consulting Ltd., and has been involved in mining environment consulting, research and education for more than 35 years. He holds a BSc (1970) in Mining Engineering and a PhD in Biohydrometallurgy (1975) from the University of Wales and in his early career he gained considerable experience in both the development of biological oxidation processes and then later in the evaluation of mining environmental issues, particularly in

the development of practical testing and analytical tools for mine waste characterization, which are widely used around the world. Today he is actively consulting in acid rock drainage in several different parts of the world. In the past twelve years he has also been active in mine water treatment and until very recently he was Executive Vice President of BioteQ Environmental Technologies Inc., a publically traded company specializing in sustainable mine water treatment. During his career has held positions in the mining industry, in R&D organizations, and has been an Associate Professor, and Head of Mining at the University of British Columbia. He has also lived in Peru as Regional Manager (Mining Environment) for Latin America for H.A. Simons (now AMEC). Rick is a Professional Engineer in British Columbia and a Chartered Engineer in the UK.

Previous recipients:

- | | |
|----------------------|--------------------|
| 2004 — M. Sudbury | 2008 — G. Monteith |
| 2005 — M. Kalin | 2009 — No award |
| 2006 — R. Rao | 2010 — C. Pickles |
| 2007 — L. Amaratunga | |

CIM Distinguished Lecturer

A Distinguished Lecturers Program was established in 1967 by CIM Council as a means to recognize and organize public presentations by individuals chosen by the Societies, Committees, and Districts of the Institute on the basis of their distinguished service and accomplishments in scientific, technical or administrative activities.

2011 recipient- Bernhard Klein



Bernhard Klein is Department Head and Associate Professor at the Norman B. Keevil Institute of Mining Engineering at the University of British Columbia. He is a professional engineer with the Association of Professional Engineers and Geoscientists of BC.

Bernhard Klein obtained his BSc and PhD degrees in mining and mineral processing engineering from UBC in 1985 and 1992, respectively. In 1997, he joined the Department of Mining Engineering at UBC as Assistant Professor, and was promoted to associate professor in 2003. He was appointed as Department Head in 2008.

As a CIM Distinguished Lecturer Dr. Bern Klein will be presenting the lecture:
Energy Efficiency in Mining

CIM Fellowship

At its November 1986 meeting, CIM Council established the CIM Fellowship to recognize members who have distinguished themselves through outstanding contributions to the mining, metallurgical or petroleum industries. CIM Fellows can place "FCIM" after their name when deemed appropriate.

2011 recipients — Janice Zinck, Torstein Utigard



Janice Zinck, BSc (Geology); BSc (Chemistry); MEng (Hydrometallurgy), is currently Manager of the Mine Waste Management and Processing program of Natural Resources Canada; a key component of the Green Mining Initiative. Janice Zinck has over twenty years experience in mine water treatment, sludge management, impurity control, and mine waste management. She has had conducted numerous research projects on water treatment and waste management and has been involved in many

national and international collaborations involving industry, other governments and universities. She is currently Chair of Metallurgy and Materials Society's Environmental Section, Secretary of the Canadian Mineral Processors, and was recently named Chair of the new CIM Environmental and Social Responsibility Society.



Torstein Arnfinn Utigard is holder of the Gerald R. Heffernan Chair in Materials Processing at the University of Toronto. He has established an international reputation as an outstanding researcher in the science and technology of pyrometallurgical processing of non-ferrous metals. With over 150 publications, eleven patents and three others pending, Torstein Utigard has pioneered numerous developments pertaining to the physical chemistry aspects of metals refining. He has supervised close to forty

researchers, played a major role within professional societies and facilitated international collaborations between industry and academia. At the Department of Materials Science and Engineering of the University of Toronto, and through many short courses in industry and various symposia, Professor Utigard has trained numerous undergraduate and graduate students as well as engineers and operators in the areas of mineral processing, thermodynamics, kinetics, and extraction of metals. In all of these activities he has been an ambassador par excellence for the engineering profession.

Brimacombe Award

In January 1998, the MetSoc Board of Directors created the Brimacombe award to honour the memory of Professor J. Keith Brimacombe who was an innovative giant in the field of materials process engineering. The Brimacombe award is to recognize young achievers who have made noteworthy contributions in any of the scientific and technological disciplines relevant to MetSoc.

2011 recipient — Mathieu Brochu

“In recognition of key scientific and engineering contributions for the development of manufacturing technologies applied to nanostructured materials and his dedication to mentoring, education and outreach in the field of material science.”



Mathieu Brochu graduated in 1999 from Laval University with a Bachelor in Metallurgical Engineering and received his PhD (Hons) in 2003 from McGill University. He then worked at the National Research Council of Canada – Aerospace Manufacturing and Technology Center on electron beam welding and freeforming of aerospace materials. He then accepted a post-doctoral position at the Advanced Materials Laboratory - Sandia National Laboratories. Late 2004, Dr. Brochu returned to Canada to

start an academic career at McGill University, and is now Associate Professor in the Department of Mining and Materials Engineering. He is holder of the Canada Research Chair on Pulse Processing of Nanostructured Materials and the Hydro-Québec NanoEngineer Chair. He is the Associate Director of REGAL, a Quebec Research Center focusing on aluminum production and transformation, including metallurgy and new aluminum products. He received several distinctions, including the ASM Bradley Stoughton Award for Young Teachers in 2009. His research activities are focused in three areas: powder metallurgy applied to nanostructured materials, rapid solidification welding processes for joining and freeforming of nanostructured materials and energy related materials.

Previous recipients:

2009 — P. Wanjara

2010 — P. Coursol

Silver Medal

The Silver Medal, which was initiated in 1986, is awarded to individuals who have built, sustained and developed the Metallurgy and Materials Society of CIM into the present internationally renowned and strong organization.

2011 recipient — Joël Kapusta



Joël Kapusta is Director, Technology - Mining & Metals at BBA Inc., the Montreal-based engineering consulting firm. Dr. Kapusta holds degrees from Université de Lyon, Lyon, France and Institut National Polytechnique de Lorraine, Nancy, France. He obtained his doctoral degree at the University of British Columbia. He started his career as a summer intern at Cominco France S.A as a Field Geologist then went on to Luleå Tekniska Universitet, Luleå, Sweden as a research engineer. In 1995 he began a career at Air

Liquide Canada Inc. as Market Specialist, and Market Manager, then as Group Expert in Process Metallurgy. In 2008 he became International Senior Expert – Primary Non-Ferrous & Precious Metals. He recently joined BBA as a Director, Technology.

Some of his contributions to MetSoc include:

- 1993-1994 Co-founder of the first Joint CIM-TMS Student Chapter in Canada at the University of British Columbia
- 2001-2002 Non-ferrous Pyrometallurgy Section Chair
- 2003-2004 Membership services, student services & continuing education Chair
- 2001-2009 BOD member
- 2007 COM Chair (including the World Copper Series)
- 2007-2010 MetSoc Representative, Cu2010 Organizing Committee
- 2009-2011 50th Anniversary Chair of the COM2011 and World Gold
- 2010-2013 MetSoc Representative, Cu2013 Organizing Committee

Previous recipients:

1986 — J.M. Toguri	1995 — A. Plumpton	2004 — H. Henein
1987 — N.G. Thomas	1996 — B.R. Conard	2005 — J. Finch
1988 — M. Rigaud	1997 — E. Özberk	2006 — P.J. Mackey
1989 — J.E. Dutrizac	1998 — G.L. Bolton	2007 — H. W. King
1990 — W.T. Thompson	1999 — F. Habashi	2008 — S. Marcuson
1991 — W. Williams	2000 — C. Diaz	2009 — G. P. Demopoulos
1992 — P. Tarassoff	2001 — J.M. Walsh	2010 — M. King
1993 — L. Seeley	2002 — A. Vahed	
1994 — G.M. Ritcey	2003 — C. Twigge- Molecey	

Rio Tinto Alcan Award

The Rio Tinto Alcan Award is the premier award for an academic or research scientist from a Canadian research laboratory or Canadian University. The award recognizes a lifetime contribution in teaching and in research or outstanding individual work resulting in significant breakthrough in metallurgical development.

2011 recipient — Gary R. Purdy

"In recognition of a distinguished contribution to the physical metallurgy of phase transformations, education of a generation of materials scientists and engineers, leadership in engineering education, and the promotion of science and engineering for the good of society."



Gary R. Purdy obtained BSc and MSc degrees from the University of Alberta. He pursued doctoral studies at McMaster and a post-doctoral research fellowship before joining McMaster's Department of Materials Science and Engineering in 1963. His career has followed a lifelong interest in metallurgical thermodynamics and phase transformations related to the development of microstructure and related properties. He has supervised the research of more than 100 graduate students and research fellows. He has held visiting appointments at Central Electricity Research Laboratories, England, the Royal Institute of Technology, Stockholm, and the Institut National Polytechnique de Grenoble. Industrial interactions have included work on thermal/mechanical processing of advanced alloys, solidification processing and homogenization of multicomponent alloys, and machinability of alloys. He is one of McMaster's Distinguished University Professors and a Fellow of the Royal Society of Canada, CIM, ASM and TMS. He is a member of the U.S. National Academy of Engineering, holds a Doctorate "Honoris Causa" from the Institut National Polytechnique de Grenoble and an honorary Doctor of Science degree from McMaster. He is recipient of the Canadian Metal Physics Medal, the Arcelor Mittal Dofasco medal and the Sawamura and Guimaraes Medals of the Iron and Steel Institute of Japan.

Previous recipients:

1966 — L.M. Pidgeon, M.B.E.	1989 — E.W. Dewing
1967 — W.C. Winegard	1990 — J.J. Jonas
1968 — J.S.G. Kirkaldy	1991 — A. McLean
1969 — F.A. Forward	1992 — J.E. Gruzleski
1970 — W.H. Gauvin	1993 — E.B. Hawbolt
1971 — C.S. Samis	1994 — J.E. Dutrizac
1972 — J. Convey	1995 — G.C. Weatherly
1973 — J. Leja	1996 — J.A. Finch
1974 — W.M. Armstrong	1997 — N.J. Themelis
1975 — K.W. Downes	1998 — R. Meadowcroft
1976 — W.M. Williams	1999 — E. Krause
1977 — A. Hone	2000 — H.J. McQueen
1978 — H. Ross	2001 — T.T. Chen
1979 — J.M. Toguri	2002 — J.A. Szpunar
1980 — F. Weinberg	2003 — G. Kaiura
1981 — W.G. Davenport	2004 — J. Laskowski
1982 — E. Peters	2005 — D. Dreisinger
1983 — W.- K. Lu	2006 — E. Özberk
1984 — C.R. Masson	2007 — G.A. Irons
1985 — G.M. Ritcey	2008 — R. Berezowsky
1986 — S.N. Flengas	2009 — A. Plumtree
1987 — R.I.L. Guthrie	2010 — M. Chaturvedi
1988 — J.K. Brimacombe	

The Airey Award

The award is a memorial to the late H.T. Airey, who played a fundamental role in the creation and organization of the Annual Conference of Metallurgists. This award is supported by Xstrata in recognition of highly significant contributions to the advancement of metallurgy in Canada.

2011 recipient — Engin Özberk

“In recognition of significant contributions to the mining, minerals and metallurgical industry in the areas of process development and design, to the mining and metallurgy research in Canada and abroad, and for continuing leadership through active and strong involvement in CIM.”



Engin Özberk, is Vice-President, Innovation and Technology Development of Cameco Corporation. Mr. Özberk has more than 30 years of research and development and project management experience in light metals, base metals and nuclear industries. He holds a BSc in Metallurgical Engineering from Middle East Technical University, Turkey; a Master's in metallurgical engineering and a graduate diploma in management, McGill University.

Engin Özberk is co-chair of the Technical Advisory Committee of the UOIT Cameco Chair for Nuclear Fuel. He has authored and co-authored more than 40 papers. He has also chaired and presented at numerous international conferences and symposia and various universities. Mr. Özberk is a CIM Fellow, a recipient of the Silver Medal and of the Rio Tinto Alcan Award. He is also recipient of the Extractive Metallurgy Science Award from The Minerals, Metals and Materials Society.

In 2007, Mr. Özberk received the Canadian Nuclear Society Communication and Education Award and in 2009, he became a CIM Distinguished Lecturer. He is currently the President and Chairman of the Canada Mining Innovation Council (CMIC) board of directors.

Previous recipients:

1963 — G.M. Young	1987 — J.C. McKay
1964 — L.S. Renzoni	1988 — P. Tarassoff
1965 — F.J. McMulklin	1989 — D.R. Weir
1966 — J.M. Carter	1990 — C.A. Sutherland
1967 — R.D. Hindson	1991 — G. Dubé
1968 — J.H. Walsh	1992 — M.C. Bell
1969 — J.G. Sibakin	1993 — J.P. McGeer
1970 — H.L. Ames	1994 — R.A. Bergman
1971 — R.W. Fraser	1995 — M.M. Avedesian
1972 — V.N. Mackiw	1996 — K.V. Konigsmann
1973 — D.W. McLean	1997 — D.G.E. Kerfoot
1974 — G. Savard & R. Lee	1998 — B.O. Wasmund
1975 — G.R. Hefferman	1999 — K.G. Thomas
1976 — H.M. Wright	2000 — J.G. Peacey
1977 — P.G. Thornhill	2001 — M. Rigaud
1978 — R.C. Bell	2002 — No award
1979 — W. Curlook	2003 — A. Grau
1980 — W.A. Gow	2004 — P. Duhaime
1981 — T.R. Meadowcroft	2005 — G. Bolton
1982 — H. Veltman	2006 — J. Gruzleski
1983 — T. Dancy	2007 — C.M. Díaz
1984 — B.H. Morrison	2008 — J.J. Jonas
1985 — M.D. Head	2009 — C. Fleming
1986 — G.G. Hatch	2010 — J. Dutrizac

The Brimacombe Prize

The Brimacombe Prize is awarded to individuals or a team from academia, industry or government from around the world for outstanding accomplishments in materials process engineering. The Brimacombe Prize is presented in memory of Dr. J. Keith Brimacombe, an innovative giant in this field during the 20th century.

Recipient — Seshadri Seetharaman



Seshadri Seetharaman received his PhD from Indian Institute of Science, Bangalore, India. He joined the Royal Institute of Technology, Stockholm, Sweden in 1973 and became Associate Professor in 1981. He was appointed to the Chair of Theoretical Metallurgy in the year 1990. Seshadri Seetharaman has won a number of awards for his teaching contributions at the Royal Institute of Technology and has published nearly 300 papers in renowned international journals. He has been an invited speaker in a

number of international conferences. His special interests are measurements and modelling of the thermochemical and thermophysical properties of high temperature systems, investigations of the kinetics of high temperature reactions that include, heat and mass transfer, property-structure relationships, process phenomena at high temperatures.

Previous recipients:

2000 — R.I.L. Guthrie

2002 — R.J. Fruehan

2004 — J.W. Evans

2006 — D. Apelian

2008 — G.A. Irons

*Congratulations
to all our
2011 Recipients...*

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www.metsoc.org