

**HISTORY OF THE
MANAGEMENT AND ECONOMICS SOCIETY
OF THE
CANADIAN INSTITUTE
OF
MINING, METALLURGY AND PETROLEUM**



February, 2024

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Overview

The Management and Economics Society (MES) provides a home within the Canadian Institute of Mining Metallurgy and Petroleum (CIM) for mining industry professionals whose focus is in economics, finance and management. Members come from various areas of professional endeavour, including: senior management, geology, engineering, metallurgy, environmental, law, accounting, taxation, banking, investments, academia, government, human resources, social development, consultancy and insurance.

The formation of MES as a Committee of CIM was formally approved by CIM Council on 12 July, 1974. It was the brainchild of Dr. Robert Bruce Elver of the then Mineral Resources Division of the federal Department of Mines and Technical Surveys in Ottawa. He recognized the potential impacts on the use and development of Canada's mineral resources from such events as the nationalization of mining operations over the previous decade in a number of international jurisdictions, publication of "The Limits to Growth" by the Club of Rome in 1972 and the first oil crisis of 1973.

Dr. Elver proposed to CIM Council that the Institute should provide a forum for debate on these issues. The background was set out in the CIM Bulletin of September, 1974 as follows:

"Never before have the issues of mineral policy and the many questions pertaining to how mineral resources should be privately or publicly managed been the subject of such widespread political debate, both within and outside Canada. At the same time, there is a dearth of information and analysis relative to changing needs for understanding and resolving the issues underlying mineral policy.

"... The list of problems is almost endless. Fundamental to the analysis of these problems is mineral economics, but mineral economic analysis should not be done in isolation from scientific, technological and corporate matters."

Dr. Elver became the first chair of the Mineral Economics Committee to which he nominated five individuals from the general membership of CIM, and seven additional representatives from each of the Societies and Divisions.

Robert B. Elver Biography

Dr. Robert Elver joined the federal Mineral Resources Division as a ferrous industry specialist not long after graduating in applied geology from the University of Toronto in 1957. He spent the next 22 years with the government until his untimely death in 1979. During that time, he represented the department at meetings of international bodies, including the Steel Committee of the OECD and the Steel Committee of the Economic Commission for Europe. He became progressively more involved in Canadian regional economic development and pioneered work in mineral resource evaluation. In 1971 he became coordinator of the office of Mineral Policy Review at a time when an integrated federal-provincial approach to mineral resource development was clearly needed. Shortly afterwards, he was appointed director of the Mineral Economics Division of the Mineral Policy Sector of what had become Energy, Mines and Resources, Canada (now Natural Resources Canada). Dr. Elver was active in CIM at both the national and branch levels.

By the second half of the 1970s, papers relating to mineral economics appeared regularly in the CIM Bulletin, including a lengthy debate on mineral resource and mineral reserve definition and classification, and examination of mineral resource taxation.

List of Chairs	
Mineral Economics Committee, 1972-1992	
Mineral Economics Society, 1992-2004,	
Management and Economics Society, 2004-present	
Robert Elver	1974/75, 1975/76, 1976/77
William Barbour	1977/78
Glen Wittur	1978/79
Donald J. Worth	1979/80
André Dorr	1980/81
Walter F. Atkins	1981/82
Robert J. Keyes	1982/83
Gerhard Anders	1983/84
John T. Postle	1984/85
Greg Daniels	1985/86
George Espley	1986/87
Bruce Jamieson	1987/88
John Lydall	1988/89
David Harquail	1989/90
Allan Clark	1990/91
Philip Martin	1991/92
Kerry D. Smith	1992/93
Don MacLean	1993/94
Gordon McCreary	1994/95
Paul Lunney	1995/96
Craig Roberts	1996/97
Robert Halupka	1997/98
Keith Spence	1998/99, 1999/2000
Jane Spooner	2000/01, 2001/02
Brian Johnston	2002/03, 2003/04
Jane Spooner and Edward M. Yates	2004/05
Barbara Mossop	2005/06, 2006/07
Keith Spence	2007/08, 2008/09, 2009/10
Alicia Ferdinand	2010/11, 2011/12, 2012/13
Richard Jundis	2013/14
Alicia Ferdinand	2014/15
Carlos da Costa	2015/16, 2016/17, 2017/18
	2018/19, 2019/20
Jacqueline Allison	2020/21, 2021/22
Carlos da Costa	2022/23, 2023/24

The Committee regularly hosted technical sessions at the CIM Annual General Meeting/Convention, the first being in 1979. It also initiated a successful series of Symposia on mineral economics which ran through the 1980s and into the early 2000s (see below).

After nearly 20 years of active participation in CIM events and initiatives, the Mineral Economics Committee became a fully-fledged Society of the Institute in 1992. Then, in the early-2000s, it was recognized by CIM that members who were active within the mining industry, but who did not work in a technical capacity, needed a Society which would also encompass their interests. Accordingly, in 2004, the name of the Mineral Economics Society was changed to the Management and Economics Society, but still retaining the MES acronym.

Objectives

The objectives of the Committee, and then the Society, evolved over the decades but have always focused on education in mineral economics and professional development. They are summarized as follows:

- To facilitate the exchange of knowledge and professional development through presentations, publications, conferences, and symposia, as well as, through live and web-based short courses.
- To raise funds to support educational university programs and to provide scholarships to qualified students.
- To provide information to stimulate ideas that will reach a wider audience both within Canada and internationally.
- To promote fraternity and provide opportunities for networking.

Conference Sessions and Events

Mineral Economics Symposia

Support for the teaching of mineral economics at Canadian universities was initiated early in the Committee's history. While the idea of establishing a Chair in mineral economics proved over-ambitious, it paved the way for fund-raising by means of a series of stand-alone Mineral Economics Symposia held in Toronto and Vancouver between 1980 and 2003.

Themes of the MES Symposia

- 1980 – “Perspectives on Mineral Evaluation and Forecasting” (Toronto, 16-18 November)
- 1982 – “Risk Management in Mining” (Vancouver, 21-23 November)
- 1984 – “Changing Gears - Mining's New Competitive Structure” (Toronto, November 18-20)
- 1986 – “Managing for Strategic Advantage” (Vancouver, 11-13 November)
- 1989 – “Leaders in the Nineties” (Toronto, 24-26 January)
- 1991 – “Back to Basics: Valuation of Mineral Properties and Companies” (Toronto, 17 January)
- 1992 – “Back to Basics: Managing the Risks to Reap the Rewards” (Toronto, 16 January)
- 1992 – “Valuation of Mineral Properties and Companies” (Vancouver, 27 January at Cordilleran Round Up)
- 1993 – “Mining 2001: A Canadian Odyssey” (Toronto, 21 January)
- 1993 – “Mining in North America: Facing the Issues Head On” (Vancouver, 25 January at Cordilleran Round Up)
- 1996 – “Global Opportunities: Emerging Mining Markets” (Toronto, 25 January)
- 1997 – “Corporate Strategy in Mining: Finding, developing and operating mines in the 1990's” (Vancouver at Cordilleran Roundup, 27 January)
- 1999 – “Shifting Sands ... Changing Investment Climates for the International Mining Industry” (Toronto, 25 January)
- 2001 – “Mining in Transition: Consolidation, Returns and Shareholder Value” (Toronto, 22 January)
- 2003 – “Mining Agreements: Deal Makers and Deal Breakers” (Toronto, 20 January)

Note: The 1993 Symposium “Mining 2001: A Canadian Odyssey” is noted in the CIM Bull as the eighth. In fact, “Valuation of Mineral Properties and Companies” preceded it in January 1992 at the Cordilleran Round Up.

The themes and topics were chosen to be forward-looking, informative and thought-provoking. Speakers were recognized experts in their fields, ready to share their insights and experience with an audience which ranged from senior industry leaders to students.

Management and Finance Day

In 2008, MES was asked to develop an event to anchor the final day of the Annual Convention which, traditionally, was less well attended. MES developed and hosted “Management and

Finance Day” over the following 10 years in response to this request. Similar in concept to the Symposia, the programs also included sessions for moderated panel discussion to allow audience participation and interaction with the speakers. It concluded with an informal wine and cheese networking reception for all Management and Finance Day attendees.

Themes for Management and Finance Day
2009 – “Living with the Downturn” (Toronto)
2010 – “Perspectives on Valuation” (Vancouver)
2011 – “Financing International Projects: Mines Without Borders” (Montreal)
2012 – “Facing our New Challenges: Minerals for all Seasons” (Edmonton)
2013 – “What You Don’t Know Will Hurt You!” (Toronto)
2014 – “Reading the Market – What Happens Next?” (Vancouver)
2015 – “The Real Cost of Doing Business” (Montreal)
2016 – “Mining in Crisis – Where to from Here?” (Vancouver)
2017 – “Planning for the Long Term” (Montreal)
2018 – “The Next Big Change: The Economics of Water, Waste and Closure” (Vancouver)

The mandate of the Management and Finance Day and the objectives of CIM had been fulfilled by 2018. The Convention now has a full slate of technical sessions on the last day of the conference.

Rocks & Stocks Professional Development Series

In 2014, MES and the CIM Toronto Branch jointly established the “Rocks & Stocks Professional Development Series”, in part to provide a mineral economics focussed event in Toronto to

Themes for Rocks & Stocks
2014 – “Project Risk: The News Ain’t All Bad”
2015 – “The Feasibility Study – Relevance, Value, Expectations”
2016 – “Mining Project Development – What needs to change!”
2017 – “Shaking Up Our Industry – Being Smarter This Time”
2018 – “The Emerging Cycle: Risk Mitigation & Opportunities”
2019 – “Mining’s Pressing Issues – Mine Tailings, Mergers & Acquisitions”
2020 – “What Does the Future Hold? - Mining investments within the Green Economy - A Paradox?”
2021 – “Strategic Minerals: Canada at the Crossroads”
2022 – “Reality Check – Will Mining Be Ready for Net Zero?”
2024 – “Overview: Mining and the Energy Transition: Our Role in the Green Economy”

replace the venue for sessions at the Convention which are now held only in Montreal and Vancouver. This event continues annually. The full-day program includes ample time for networking. (When scheduled, it allows participants

to proceed directly to the Toronto Branch “Grubstake” event in the evening.)

Technical Programs at the CIM Convention

Starting in 1979, the Committee and then MES regularly hosted full and part-day technical sessions at the Convention with a particular focus on mineral economic and financial issues. Details on these sessions can be found on www.cimmes.org.

Workshops and Special Events

In addition to technical sessions, MES has hosted or co-hosted a number of workshops and special events:

- “Valuation Day” in March, 2000 organized by the CIMVAL committee at the Convention in Toronto held jointly with the Prospectors and Developers Association of Canada (PDAC). A proceedings volume of the papers was subsequently published by CIM.
- A full-day workshop was held at the 2003 Convention in Montreal on mineral property valuation methodologies. 2003.
- A full-day workshop titled “Knowing the Risks, Don’t Learn Them the Hard Way” was presented at the 2005 Convention.
- In 2007, MES was a co-organizer for “Copper 2007”, the Sixth International Copper-Cobre Conference in Toronto hosted by the Metallurgical Society of CIM with the Chilean Institute of Mining Engineers. MES convened three sessions with a total of 16 papers on copper industry economics and marketing.
- Through CIMVAL, MES organized a session at the 2019 Convention in Montreal titled “Mining Valuation – International Convergence & Market Viewpoints”.

Mineral Economics Discussion Group

Since the mid-1980s, meetings of the Mineral Economics Discussion Group have taken place approximately once per month in Toronto between September and April. A regular program of meetings has taken place in Vancouver since 2015. Speakers have addressed almost every aspect of the minerals industry except for strictly technical topics in geology, mining and metallurgical engineering. A collegial, seminar-style atmosphere is fostered in order to allow lively discussion and exchange of ideas, with opportunities to network and socialize at live events. During the Covid 19 pandemic, a full program was maintained in webinar format.

Development of Professional Practice Standards

MES has taken a leadership position within CIM on important industry issues through the Ore Reserves Committee, set up in 1991 and the Mineral Property Valuation Committee (CIMVAL) set up in 1999.

Mineral Resource and Mineral Reserve Definitions

In 1991, CIM requested MES to form a Special Committee on Reserve Definitions with the objective of preparing recommendations for Mineral Resource and Mineral Reserve Definitions to Council. The first edition of the Australasian Joint Ore Reserves Committee (JORC) Code had been published two years earlier, in 1989. The JORC Code represented a significant step forward in the reporting of mineral deposit information and it was recognized that CIM was well placed

to support a similar initiative in Canada. The report of the Special Committee was presented to CIM Council in May, 1994 and was published in October 1994.

Recognizing that the work on resource and reserve definitions would be ongoing, the Standing Committee on Reserve Definitions was formed to continue the work of the Special Committee. Administered by MES, the committee would liaise with the Canadian Securities Administration (CSA) on behalf of the mining industry. In August, 2000, the committee became a CIM Standing Committee reporting to CIM Council and the CIM Definition Standards on Mineral Resources and Mineral Reserves came into being.

This was particularly significant in light of the fraud perpetrated by Bre-X Minerals in 1997 that prompted the formation of the Mining Standards Task Force (MSTF) by the Ontario Securities Commission (OSC) and the Toronto Stock Exchange (TSX). The draft report of the Task Force was issued in June, 1998. One of the primary recommendations was that the CSA include the CIM Guidelines for the Estimation, Classification and Reporting of Resources and Reserves by reference in National Instrument 43-101 (NI 43-101) which was to replace National Policy 2-A and National Policy 22. NI 43-101 came into effect on February 1, 2001. The CIM Definition Standards have been revised and updated periodically, most recently in May, 2014.

During the drafting of NI 43-101 and in consultation with CSA, the Standing Committee on Reserve Definitions revised and updated the CIM Definition Standards on Mineral Resources and Mineral Reserves which were adopted by CIM Council on August 20, 2000. At that time, the Standing Committee on Reserve Definitions became a CIM Standing Committee reporting to CIM Council.

The mandate of the CIM Standing Committee on Reserve Definitions was to:

- 1) keep abreast of changes and advances in Resource and Reserve classification, definition and reporting and recommend changes and updates to the CIM Definition Standards as required;
- 2) provide a conduit between the industry, the CIM and the CSA for dealing with comments, questions and issues arising out of the use of the existing CIM Standards;
- 3) facilitate, in conjunction with the CSA, the incorporation of the changes to the CIM Definition Standards in NI43-101;
- 4) continue to represent CIM and Canada on the Council of Mining and Metallurgical Institutes' (CMMI) initiative to harmonize classification and definition of resources and reserves.

During this period, the Standing Committee compiled and published more extensive documentation on "Best Practices" in the mining industry as recommended by the MSTF. These Best Practices provided more comprehensive guidance than that contained in the August 20, 2000 CIM Definition Standards on Mineral Resources and Mineral Reserves. Over time Best Practices were developed on Exploration, Reporting of Diamond Exploration Results, Mineral Resource and Mineral Reserve Estimation, and Mineral Processing. From time to time, the Guidelines for Mineral Resource and Mineral Reserve Estimation have been expanded to include guidance on a number of specific commodities.

On November 14, 2004 CIM Council adopted an update to the CIM Definition Standards on Mineral Resources and Mineral Reserves to reflect the more detailed Best Practices guidance available and to effect certain editorial changes. The December 13, 2005 version of the CIM Definition Standards on Mineral Resources and Mineral Reserves included further editorial changes to maintain compatibility with the current version of NI 43-101.

CIM Mineral Valuation Committee

In its final report the Mining Standards Task specifically recommended that CIM form a “committee of valuation practitioners to review and advise on approaches to valuation of mineral properties”.

On May 5, 1999 at the Convention in Calgary, CIM approved the formation of the Mineral Property Valuation Committee (CIMVAL). The Committee reported directly to CIM Council and was administered through MES. It convened a “Valuation Day” on March 8, 2000, at Mining Millennium 2000, joint annual meeting of CIM and the Prospectors and Developers Association of Canada (PDAC). This was followed by the publication of an Initial Framework for Discussion and the release of a Draft Discussion Paper at the Convention in May, 2001. After industry consultation the CIMVAL Standards and Guidelines (Final Version) was adopted by CIM Council in March, 2003. The three generally accepted valuation approaches were set out, namely the Income Approach, the Market Approach and the Cost Approach, and directions were provided for the circumstances under which each should be used.

The mandate of CIMVAL is to recommend Standards and Guidelines for Valuation of Mineral Properties to be used by the mining industry in general and to be adopted by Canadian securities regulators and Canadian stock exchanges.

The guiding philosophy and intent of the CIMVAL Standards and Guidelines is that Mineral Property Valuations be carried out by appropriately qualified individuals and that all relevant information be fully disclosed. The Standards and Guidelines are based on industry best practices and allow for professional judgement in certain instances.

The key objective was to develop a working document containing a Canadian code and guidelines which Canadian valuation practitioners are required to follow in the process of valuing a mineral property. An additional key focus is that the committee focuses on the valuation of mineral properties as assets, not on the valuation of companies holding these assets. For purposes of clarification, “valuation” in the CIMVAL Standards and Guidelines is concerned with the value or worth of a mineral property as opposed to “evaluation” where the key objective is an economic assessment or determination of the economic merit of a mineral property.

In addition, valuation should be stage-based so that the approach used to value a mineral property or mining project depends on the development stage of the property.

The CIMVAL Standards and Guidelines are organized into two parts. The first consists of Standards which are general rules that are mandatory in the Valuation of Mineral Properties. The second part contains Guidelines which elaborate on the Standards and, while not mandatory,

provide guidance and best practices which are highly recommended to be followed in the valuation of mineral properties. Definitions are included in the Standards. Where practical, terms are defined in a manner consistent with NI 43-101.

After several years of review, CIMVAL was updated and adopted by CIM Council on November 29, 2019. The update process involved an Exposure draft which was issued to the public in June 2019. Subsequently, 13 public submissions were received and the CIMVAL Committee held various consultations with regulatory bodies such as the Canadian securities regulators and the Toronto Stock Exchange. Key changes in the updated document include the change of name to “Code” from “Standards” in order to be consistent with other international valuation codes and the format and structure to follow International Mineral Valuation Committee (IMVAL) Template, with many references to International Valuation Standards (IVS).

A discussion of valuation approaches and applicability to exploration property, property for which a mineral resource has been estimated, a development property, a production property/operating mine is provided on www.cimmes.org.

Education and Professional Development Initiatives

One of the goals of MES is to further education in mineral economics by supporting supplemental programs on related topics at Canadian universities.

Educational and professional development activities, in addition to the annual Rocks & Stocks Professional Development Series (see above), are described below.

Support for Education in Mineral Economics

Multi-year Course Support

This has included funding of mineral economics and mineral resource and reserve estimation in undergraduate programs at the University of Toronto, the University of British Columbia and Queen’s University and sponsorship of the Canadian Mining Games.

Multi-year commitments have included the following:

University of British Columbia, Mining Engineering Dept–1997: 5-year commitment, 1997-2002, for \$8,000/year for a total of \$40,000.

- Purchase of mine modeling software, teaching of ore reserve estimation, establishing a database of metal prices and capital and operating costs, and course development.

University of Toronto – Lassonde Mineral Engineering Program: 3-year commitment, 2002-2005, for \$10,000/year plus two one-year extensions for a total of \$50,000.

- Partial support for programs taught by adjunct professors.

Short-term Funding

MES encourages Canadian universities to submit short-term funding proposals relating to educational initiatives focused on mineral economics, such as course development, field trips and purchase of educational material or equipment. Initiatives approved for MES support include:

Queen's University, Dept. of Geological Sciences and Geological Engineering.

- Course preparation and teaching, 2002/03, 2003/04, 2004/05 and 2005/06 (\$6,500/year).
- Mining and Exploration Agreements, September-November 2002 (\$3,000) taught by Adjunct professor, Karl J.C. Harries, QC.
- 4-day short course on Ore Reserve Estimation, October 2002 (\$3,500).

Laurentian University, School of Engineering, January 2002-September 2003 (\$1,000).

- Cost Evaluation for Underground Mine Pre-Feasibility Studies: A Comparative Study.

McGill University, Department of Earth and Planetary Sciences, 2002 (\$400).

- Field Trip in Conjunction with Ore Deposits Course, Spring 2002.

Queen's University, Dept. of Geological Sciences and Geological Engineering, 2007/08.

- Modules on Ore Reserve Estimation and Corporate Social Responsibility (partial funding of \$5,000 request).

Queen's University, Dept. of Geological Sciences and Geological Engineering and Mining Engineering, 2010/11 and 2011/12 (\$6,000).

- Mine 815 Course – Mine Valuation and Financial Administration (\$5,000).
- Applied Science 321 Course – Economic Analysis Methods in Mining and Geological Engineering (\$1,000).

Ingenium Foundation – University of Toronto, The Munk School of Global Affairs and Public Policy, 2018 (\$3,000).

- Contribution to a study entitled “The Economic Benefits of Research and Development in the Canadian Mining and Metallurgy Sector”, part of the Canada Science and Technology Museum's series on how mining and metallurgy impacted development in Canada.

University of Waterloo, 2018 (\$3,000) – Field trips and guest lecture on the assessment of an aggregate deposit delivered by MES member Jeff Plate.

MES-COSMO Scholarship

Under this ongoing program, the award of \$3,000 per annual recipient provides financial support for undergraduate mining engineering students who are enrolled in Canadian universities, and have a focus on strategic mine planning optimization under uncertainty and related risk management, or other topics as considered appropriate by the Selection Committee.

MES administers the scholarship which is funded by the COSMO Mining Industry Consortium; initially the target was one award per year, and increased to up to two awards per year from 2018.

The COSMO consortium has provided scholarship funds totalling \$24,000 (\$15,000 in 2016 and \$9,000 in 2017); to date, six scholarships have been awarded to students at the McGill University, Dept of Mining and Materials Engineering; University of British Columbia, Norman B. Keevil Institute of Mining Engineering; University of Alberta, Department of Civil and Environmental Engineering and the School of Mining and Petroleum Engineering.

MES-Richard Leblanc Scholarship 2019

This \$500 one-time scholarship was awarded to one of the female student volunteers at PDAC 2019; the recipient was an undergraduate student at Laurentian University (Earth Sciences and Environmental Studies).

MES Don Worth Memorial Bursary 2022

The one-time \$500 award to a University of Toronto student enrolled in mineral economics courses recognizes the contribution of Donald (Don) J. Worth to CIM and his support of MES from its earliest days. The recipient was an undergraduate student in the Lassonde Mineral Engineering program, Department of Civil and Mineral Engineering.

CIM Science North Joint Venture 2022-2026

In the amount of \$3,000/year over five years for a total of \$15,000, MES contributes to the development of the Earth's Riches project (a mining game) to include financial support and the participation of a member of the MES Executive Committee in the steering team.

Collaboration with CIM Foundation

Since 2020, online silent auctions are held once or twice per year in collaboration with the CIM Foundation to raise funds for education.

Professional Development

MES and Toronto Branch Student Day

This annual event showcases careers in mineral economics and includes a seminar on networking, and in more recent years, the effective use of social media. Launched in 2010 as the MES Careers Showcase and Networking Seminar, a few years later, the CIM Toronto Branch became a co-host with MES.

Student Day may include a workshop, careers showcase or 'fireside chat' with industry professionals, and a networking seminar. Attendees have the opportunity to talk with industry professionals at the event and, when possible, afterwards at a student-industry luncheon or other social event. Tours of a capital markets trading desk and Brinks Canada have also been offered.

Collaboration with The Marquee Group Inc., 2017-2020

MES co-marketed mining financial modeling and other Excel-based courses which were delivered by The Marquee Group in Toronto and Vancouver. The funds raised by MES support its educational initiatives.

Mentor Interviews

These are conducted to provide students with continuous access to guidance provided by senior industry participants in a variety of roles. To date, interviews have been conducted with the following and are available on YouTube (search the name and reference number):

- Mauro Chiesa (March 2021) ref 20210316
- Alvaro Gomez (April 2021) ref 20210409
- Baljir Baatartogtokh (April 2021) ref 20210412
- David Garofalo (April 2021) ref 20210427
- Monica Ospina (April 2021) ref 20210427
- Terence Ortslan (November 2021) ref 20211129

The Structure of MES

Committees

The society functions through the work of the following core committees, many of which originate from the early days of the original Mineral Economics Committee:

- Professional Development (previously Education Committee)
- Communications
- Publications/Peer Review
- Annual Convention Planning
- Rocks & Stocks (professional development conferences)
- Standards & Publications
- Discussion Group

Chapters

Chapters of MES are active in Toronto, Vancouver, Montreal and the United Kingdom. (A chapter in Hong Kong is presently in abeyance.)

Robert Elver Mineral Economics Award

Since 1981, the CIM Robert Elver Award in Mineral Economics has been awarded annually to CIM members who have made a significant contribution to the field of mineral economics in Canada.

To mark the fiftieth anniversary of the formation of MES as the Mineral Economics Committee, Dr. Elver himself is recognized as an honorary, posthumous recipient.

Recipients of the Robert Elver Award

1981	Keith Buck	2003	Lawrence D. Smith
1982	Hugh Taylor	2004	Maureen Jensen
1983	Brian Mackenzie	2005	Ian S. Thompson
1984	Herbert D. Dreschler	2006	Jane Spooner
1985	J. Philip Prince	2007	David D. Davidson
1986	Donald J. Worth and William Barbour	2008	Keith Brewer
1987	Donn Morgan	2009	Keith Spence and William E. Roscoe
1988	-	2010	Karl Harries
1989	Gerhardt Anders	2011	Pierre Lassonde
1990	Alistair J. Sinclair	2012	Deborah McCombe
1991	Noel A. Cleland	2013	Michael Samis
1992	Edward M. Yates	2014	John R. Ing
1993	Gerald DeSourcy	2015	Lionel Kilburn
1994	Patrick J. Mars	2016	William McNeil
1995	David E. Harquail	2017	Gordon Bogden
1996	Bernie J. Haystead and John T. Postle	2018	Simon Houlding
1997	Graham Farquharson	2019	Terence Ortslan
1998	Graham Farquharson	2020	Reno Pressacco
1999	George Espley	2021	Patricia Mohr
2000	Michael Chender	2022	Michael Bourassa
2001	John Drury	2023	Mauro Chiesa
2002	Michael Doggett	2024	Robert B. Elver and Fred Pletcher

Notes:

No available information for 1988.

Graham Farquharson was received the award in both 1997 (a 'regular' award) and in 1988 following his role in the uncovering of the Bre-X fraud.

Publications

MES has sponsored the publication of:

- “Selected Readings in Mineral Economics”, edited by mineral economist, F.J. Anderson, and published on behalf of CIM by Pergamon Press in 1987.
- “Mineral Property Valuation Proceedings. Papers Presented at Mining Millennium 2000”, published by CIM, 2000.
- CIM Special Volume 55, “Mineral Agreements and Royalties”, by Karl J.C. Harries, QC, co-sponsored with CIM. Arising from the 2003 Mineral Economics Symposium, “Mining Agreements: Deal Makers and Deal Breakers”. (Also available in CD-ROM format.)
- CIM Special Volume 56, “Mineral Resources/Reserves and Valuation Standards”, 2010.

Sources

CIM Bulletin

CIM Magazine

www.cim.org

www.cimmes.org