

American Institute of Mining,
Metallurgical, and Petroleum Engineers

2023 ANNUAL REPORT



Member Societies:



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Table of Contents

Report of the 2023-2024 AIME Leadership: The Year in Review	[1]
President's Notes	[6]
Report of the 152nd Annual Meeting	[7]
New AIME 2023-2024 Officers and Trustees	[8]
AIME Past Presidents – Active List	[13]
Recipients of Awards Presented by AIME in 2023	[14]
Recipients of Scholarships Presented by AIME in 2023	[20]
AIME Honorary Members	[22]
Legion of Honor – 50 Year Members – Class of 1973	[24]
Financials	[27]
Member Societies	[31]

The Year in Review



Elizabeth Holm
2023 President



John Ehrig
Executive Director

Report of the 2023 – 2024 AIME Leadership

Mission-Driven Governance

AIME is governed by a [Board](#) including 2 Trustees from each of its 4 Member Societies and AIME's Executive Director. One is a volunteer leader serving in the presidential rotation for a four-year term; the other is the Member Society Executive Director serving continually to help provide continuity of mission-driven direction. Most work is done by AIME's Audit and Finance Committees. We thank Member Society staff and volunteers, like the Member Society CFOs, also serving on AIME committees and external award committees administered by AIME's sister organizations, as shown on the following page:

AIME Activities 2023-2024						
	<small>=new appointment</small>			External Affairs		
	Audit Committee	Finance Committee	Member Society Award and Scholarship Staff	United Engineering Foundation	Emerging Leaders Alliance	ETHW Council
Rules	<i>MSEDs, President-Elect Designate ex-officio; meets November (pre-audit) and April (post audit)</i>	<i>President-Elect/Treasurer Chair, MS Finance Staff; meets 4th Thursday after end of quarter</i>	<i>Meets annually in June</i>	<i>1 volunteer, 1 ED, AIME Board direct oversight</i>	<i>Meets quarterly, MS assigns staff</i>	<i>Meets quarterly, AIME staff forwards info to MS, Past President assists as needed</i>
SPE	<i>Simon Seaton</i>	Steve Byrne	James Whitaker Lori Davis Yuen Yee Pang	Roland Moreau (through September 2027)	James Whitaker	Dana Otilio (as able)
TMS	<i>Jim Robinson (Chair)</i>	<i>Steve Gardner (Chair); Alicia Arbuckle</i>	Debby Hixon		Debby Hixon	Lynne Robinson (as able)
SME	Dave Kanagy	Michelle Kroeger	Carol Kiser, Jean David, Genny Homyack		Mona Vandervoort	Melissa Serdinsky (as able)
AIST	<i>Ron O'Malley Ron Ashburn (optional)</i>	Mark Didiano	Nicole Mattern	Ron Ashburn (through September 2025)	Chris McKelvey, Jamie Blick	Chris McKelvey (as able)
AIME	<i>John Ehrig; Jamie Reyes</i>	Stan Moyer; Jamie Reyes	Jamie Reyes, Toni Griffin	John Ehrig; Jamie Reyes	Jamie Reyes (limited participation)	Jamie Reyes (limited participation)
External Awards & Scholarships						
	Hoover Award	Washington Award	Noble Prize	National Inventors Hall of Fame	James Furman Kemp Memorial Fund for Research and Publication in Geology Advisory Council	
Org	ASME	ASCE	WSE			
SPE	<i>Zhenhua "Ray" Rui; Alternates: Yogashar Pradhan</i>	<i>Olubawale Awotiku</i>		<i>Carlos Torres-Verdin, UT Austin</i>	Mark Sonnenfeld	
TMS	<i>Gladele A. Ogunseitan</i>	<i>Tom Battle</i>	<i>Peter C. Collins</i>			
SME	<i>Ponisseril Somasundaran, Alternates: Tuncel Yegulalp, Bob Schafer</i>			<i>Anuradha Khetwal; Bowen Li</i>		
AIST						
AIME						

AIME Awards and Scholarships



AIME funds 25 awards, including Honorary Membership, as well as 5 scholarships. The AIME President presents them during each Member Society's conference. Additionally, Member Society members are eligible for 25 other joint engineering society awards.

Volunteers from AIME's Member Societies provide representation on committees for joint society awards administered by AIME's sister societies. For example, ASME staff administers the prestigious [Hoover Medal](#) and AIME's Member Society, SME, administers the [Fritz Medal](#). To learn more, visit <https://aimehq.org/what-we-do/awards>.



To nominate a member for an award, contact your AIME Trustees for guidance.

Oral Histories

AIME's most recent flagship program has been building its [oral history library](#).



We are proud to share over 85 of these fascinating learning opportunities on [AIME's Oral History web pages](#). The collection includes audio only and video captures done by the University of California – Berkeley's Bancroft Library Oral History Center, an early partner in this program. Click the "Submit a Candidate" link on the main page to download a form and complete it to nominate someone for this important preservation and recognition initiative.

Milestone Recognition

AIME also recognizes important milestones with congratulatory or memorial resolutions. To learn more, visit <https://aimehq.org/what-we-do/milestone-recognition>.

Collaborative Programs



AIME is one of 9 partners in the [Emerging Leaders Alliance \(ELA\) young leaders training](#). AIST staff administers this important joint society initiative. The groups host about 75 impressive young professionals in Pittsburgh each September.

AIME partners with 6 other groups to enhance the Engineering and Technology History Wiki (www.ethw.org), administered by AIME's sister engineering Founder Society, IEEE. This invaluable resource contains articles, biographies, and interviews of important figures and historical events and innovations in multiple engineering disciplines. There are also lesson plans and an interactive map of landmarks across the globe. Members can create a free account to include their own "First Hand Histories".



As part of the partnership with AIME's sister engineering Founder Societies, AIME and Member Society leadership attend the [United Engineering Foundation \(UEF\)](#) Board meeting each fall. In October 2023, AIME hosted the FSPED Meeting and UEF Board Meeting at the University of Missouri - Kansas City, where attendees toured the UMKC Innovation Studio and Plaster Center and Linda Hall Library.

Foundational Role

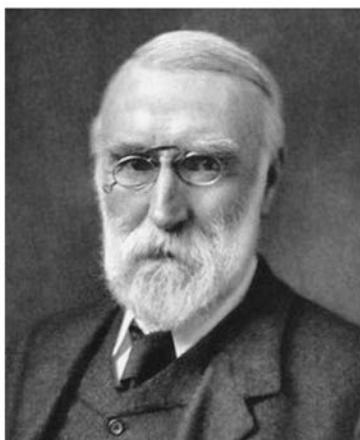
Finally, one of AIME's most important roles has been to provide grants from any surpluses to the Member Societies. For example, in 2021, the AIME Board voted to distribute \$1,000,000 (\$250,000 to each of the 4 groups) to assist with the impacts of the pandemic. AIME also provides all Member Societies annual grants from the [Offshore Technology Conference events](#) and the following endowment funds for specific purposes:



Seeley W. Mudd



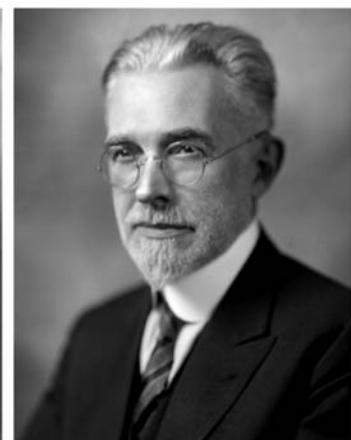
James Douglas Library



Charles Hayden



Henry L. Doherty



The Next 150

Surpassing AIME's 150th year, the AIME Board contemplated the appropriate operating structure moving forward. For stability, AIME has contracted with Inventures to manage the Institute beginning June 2023.

Inventures is an association management company (AMC) founded in 1992 and headquartered in San Ramon, CA. Its focus is on not-for-profit associations, technical alliances, and societies.

As a subsidiary of Smithbucklin, a leading global AMC, it has access to all of that firm's capabilities as needed. The partnership is also expected to save on annual operating expenses.



Elizabeth Holm
2023 President

John Ehrig
Executive Director

President's Notes

AIME stands apart from most engineering societies with its rich 153-year history of advancing the engineering profession, serving our nation, and impacting the world. Stepping into the role of AIME president carries some significant gravitas as well as an obligation to uphold a legacy that extends back into the nineteenth century, and a promise to safeguard it in the twenty-first.

I am deeply honored to be one link in the unbroken chain of AIME presidents that began with Ironmaster David Thomas, ran through U.S. President Herbert Hoover, continued with my immediate predecessor, petroleum engineer Jennifer Miskimins, and will soon be passed on to my successor, mining engineer J. Steven Gardner.

Over the years, the AIME's divisions matured into professional societies in their own right. Although AIME no longer has dues-paying members, over 200,000 engineers trace an AIME connection through the Society for Mining, Metallurgy, and Exploration (SME), The Minerals, Metals, and Materials Society (TMS), the Society of Petroleum Engineers (SPE), and the Association for Iron & Steel Technology (AIST). As expressed in our mission statement, AIME continues to act as a convener and representative for the member societies, a custodian of their mutual histories, and a benefactor through awards, scholarships, and grants.

The caretakers of these responsibilities are the members of the AIME Board of Trustees. I have been privileged to chair an effective and engaged Board, comprised of four Member Society representatives and the four Member Society Executive Directors. I can attest to the commitment each and every one brings to responsibly steward AIME resources for the greatest positive impact now and in the future. This Annual Report documents the Board's outstanding stewardship of AIME's finances, resources, history, and legacy.

As AIME has evolved, so too has its governance structure. This year marked the first full year under the management of Inventures, a Smithbucklin association management company. August 2023 marked the first in-person Board meeting under Executive Director John Ehrig, with assistance from Jamie Reyes. Upon John's retirement this summer, the Executive Director position passed to Barbette Barlow, with Jamie continuing in the support capacity. We are confident that this management model provides the continuity, stability, and sustainability that befits a 153-year-old institution.

As I conclude my presidential year, I am grateful for the opportunity to be a part of the history and legacy of AIME. I am confident that under Steve Gardner's capable leadership, AIME will continue to thrive and evolve in the twenty-first century and beyond.

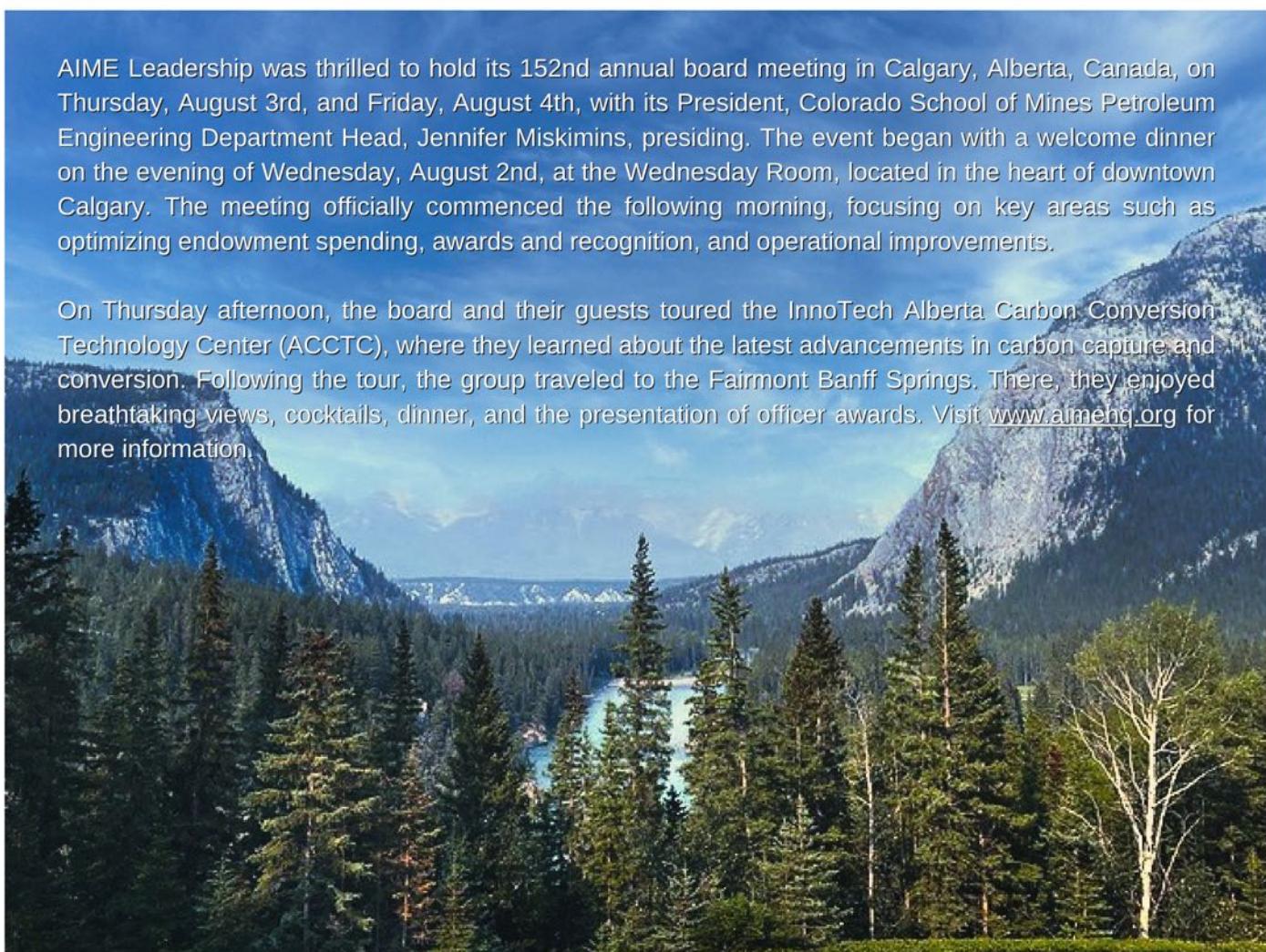


2023 AIME President

Report of the 152nd Annual Meeting

AIME Leadership was thrilled to hold its 152nd annual board meeting in Calgary, Alberta, Canada, on Thursday, August 3rd, and Friday, August 4th, with its President, Colorado School of Mines Petroleum Engineering Department Head, Jennifer Miskimins, presiding. The event began with a welcome dinner on the evening of Wednesday, August 2nd, at the Wednesday Room, located in the heart of downtown Calgary. The meeting officially commenced the following morning, focusing on key areas such as optimizing endowment spending, awards and recognition, and operational improvements.

On Thursday afternoon, the board and their guests toured the InnoTech Alberta Carbon Conversion Technology Center (ACCTC), where they learned about the latest advancements in carbon capture and conversion. Following the tour, the group traveled to the Fairmont Banff Springs. There, they enjoyed breathtaking views, cocktails, dinner, and the presentation of officer awards. Visit www.aimehq.org for more information.



New AIME 2024-2025 Officers and Trustees

PRESIDENT



J. Steven Gardner
(SME - Term ends 2026)

He served as President/CEO of ECSI, LLC for 36 years, a consulting practice focused on natural resources, mining, reclamation, energy, environmental, health and safety issues. In January 2019, ECSI merged with SynTerra Corp. where he now serves as VP Special Projects, Mining & Energy.

Mr. Gardner has an M.S. Mining Engineering, Graduate Certification in Environmental Systems and B.S. Agricultural Engineering from the University of Kentucky. In 2011, he was inducted into the UK Engineering Hall of Distinction. As a Professional

Engineer, he has worked on projects throughout the US and internationally. Early in his career, he served on a Volunteer mine rescue team.

He was 2015 President of the Society for Mining, Metallurgy & Exploration (SME) and recognized as a Distinguished Member and Registered Member. Currently, he serves as the Vice President of Finance for the SME Foundation. He has worked as an engineer, owner, and manager in both mining operations and consulting. He served on the UK Mining Engineering Foundation, Kentucky Geological Survey, Biosystems & Agricultural Engineering Advisory Boards and was a member of the Kentucky Board of Licensure for Professional Engineers and Surveyors.

PRESIDENT-ELECT



Ron O'Malley
(AIST - Term ends 2027)

Ronald J. O'Malley received B.S. and M.S. degrees in materials engineering from Drexel University in 1978 and a Ph.D. in metallurgy from the Massachusetts Institute of Technology in 1983. In 1984, he joined Alcoa's research center to work on casting and refining technologies in aluminum. In 1988, he joined Armco Inc.'s Technology Center in Middletown, Ohio, which later became part of AK Steel, where he conducted steelmaking and casting research and development for a diverse mix of flat rolled specialty steels, including developments in the thin-slab casting of stainless steels at AK Mansfield. He is currently employed as chief metallurgist at Nucor Steel-Decatur

LLC, where he is responsible for metallurgical development and for steelmaking and casting process support within Nucor. Dr. O'Malley has published numerous papers in the fields of continuous casting and steel processing, has taught numerous short courses on the continuous casting of carbon and specialty steels, and was the recipient of the 1999 Charles Herty Jr. award. He is currently serving as the Conference Planning Committee chair for AISTech 2013, papers chair for the Continuous Casting Technology Committee (CCTC) for AISTech 2012, chair for the Materials Advantage Committee for 2013, and is a lecturer for the AIST short courses "Continuous Casting — A Practical Training Seminar" and "The Making, Shaping and Treating of Steel." He has previously served on the AIST board of directors as liaison for the CCTC and the Ladle & Refining Technology Committee. He is also currently serving on the selection committee for the FeMET and StEEL student scholarships and the selection committee for the Elliott Lectureship Award.

PRESIDENT-ELECT DESIGNATE



Shauna Noonan

(SPE - Term ends 2028)

Shauna served on the Society of Petroleum Engineers (SPE) International Board of Directors twice from 2012-2015 and 2019-2021 and was the 2020 SPE President, setting the organization's long-term strategy and leading staff and members globally. The Society of Petroleum Engineers (SPE) is a not-for-profit professional association with more than 140,600 members in 144 countries engaged in oil and gas exploration and production. In addition to being SPE President, she was the Executive Compensation Committee Chair, Finance Committee Chair, and Chair of the Meetings Committee, overseeing all of SPE's global events and conferences. She

chaired the ISO committees for Progressing Cavity Pumps (PCP) and ESPs (ISO 15136-1 and 15551-1, respectively) and has served on API committees for gas lift and ESP systems as well.

Currently, Shauna is an Oxy Fellow and Senior Director of Global Supply Chain Initiatives with over 30 years of industry experience. As an Oxy Fellow, she actively participates with executives in developing corporate-wide strategic objectives and commercial endeavors, ensuring that the company stays at the forefront of technological developments. Previously at Oxy, she held the roles of Chief of Production Engineering and Director of Artificial Lift Technology, leading global teams of discipline experts in the production of oil and gas. She actively travels to Oman, Abu Dhabi, Algeria, and US locations to work with the local leadership on their technical and procurement challenges. Prior to this role, she was the Completions Technology Manager for ConocoPhillips, where she led a global team of completion, geomechanics, and reservoir engineers focused on technology development for unconventional shale reservoirs and the Canadian Oil Sands. In her years at ConocoPhillips (2004-2015) and at Chevron (1993-2004), she led production and completion engineering projects in China, Norway, Venezuela, North Sea, Alaska, Canada, Indonesia, Brazil, and the Lower 48 United States.

Shauna is the author of over 25 technical papers, is an SPE Distinguished Member, and was named one of the 25 Most Influential Women in Industry in 2020 by Hart Energy Magazine. She holds a B.Sc. in Petroleum Engineering from the University of Alberta and will graduate from the University of Pennsylvania's Wharton School of Business Advanced Management Program in October 2024.

PAST PRESIDENT



Elizabeth Holm

(TMS - Term ends 2025)

Elizabeth A. Holm is a Professor of Materials Science and Engineering at Carnegie Mellon University. Prior to joining CMU in 2012, she spent 20 years as a research scientist at Sandia National Laboratories. Her research areas include computational materials science at the atomic and mesoscale and AI and machine learning for materials science. Dr. Holm obtained her B.S.E. in Materials Science and Engineering from the University of Michigan, S.M. in Ceramics from MIT, and dual Ph.D. in Materials Science and Engineering and Scientific Computing from the University of Michigan. Dr. Holm has received several honors and awards, is a Fellow of ASM

International and the Minerals, Metals, and Materials Society (TMS), 2013 President of TMS, an organizer of numerous international conferences, and has been a member of the National Materials Advisory Board. Dr. Holm has authored or co-authored over 160 publications.

Non-Officer Trustees



Ronald Ashburn
(AIST)

Ronald Ashburn is the first executive director of the Association for Iron & Steel Technology (AIST), having served in that capacity since the organization's founding in January 2004. In his role as executive director, Ashburn is responsible for oversight of business operations and strategic planning initiatives for AIST and the AIST Foundation. He formerly served as the eighth managing director for the Association of Iron and Steel Engineers from 2002 until its merger with the Iron & Steel Society, which led to the formation of AIST. Prior to joining AISE, he worked 16 years with Mannesmann Demag, a global builder of steel plants, first joining them in 1986 as a mechanical engineer in their Continuous Casting Division. In 1996, Ashburn was appointed director of technology for steelmaking and casting, and in 1997 he became vice president — casting and hot rolling. In 1999, SMS and Mannesmann Demag merged to form SMS Demag, where he served as vice president — operations for their Steelmaking and Casting Division in Pittsburgh, Pa., USA. Ashburn received his B.S. degree in mechanical engineering from the University of Pittsburgh (1987) and participated in metallurgical process training at University of British Columbia (1987) and global business management training at the University of Virginia (1998). He served on the board of directors for Visit Pittsburgh and was a member of its executive committee.



Simon Seaton
(SPE)

Before joining SPE, Seaton most recently held the role of CEO, Energy and Resources Worldwide, at Sodexo, a global food, facilities management, and workplace services company where he worked since 2012 in Houston, Singapore, and Dubai. A graduate of Cardiff University and a chemist by education, his career began as a drilling fluids engineer. He spent 22 years at Halliburton in various technical, business development, and executive roles in Aberdeen, Houston, and Nigeria. Positions at Halliburton included country vice president, managing director of the UK, and senior director of deepwater solutions. Seaton has been an SPE member for more than 25 years and has authored or co-authored more than 20 technical papers, patents, and articles and, in 2021, completed the Global Energy Leadership Program at the Jones Graduate School of Business, Rice University. Originally from the UK, he currently resides in Houston.

**Jim Robinson
(TMS)**

James J. Robinson has held a number of positions within TMS since joining the Society in 1984 as an editorial team member for JOM. Prior to becoming executive director in 2012, he held the position of deputy executive director. In that position, Robinson managed the development and execution of the Society's programs and supported the Board of Directors, the Executive Committee, and other volunteer bodies, inclusive of governance and strategic planning activities. He also supports the efforts of the TMS Foundation as an ex-officio member of the Board of Trustees. Robinson's past positions with the Society include serving as Chief

Operating Executive, Director of Knowledge Management and Communication, and Editor of JOM (TMS's membership journal). He still contributes to JOM as a monthly columnist.

Robinson is an ASAE Certified Association Executive (2009). Academically, he earned his M.A., corporate communication, from Duquesne University (Pittsburgh, Pennsylvania) and his B.A., journalism and communications, from Point Park University (Pittsburgh, Pennsylvania). His non-materials professional affiliations include ASAE, the Council of Engineering and Scientific Society Executives, and the Pittsburgh Society of Association Executives.

**Dave Kanagy
(SME)**

Since joining SME in 2004, Kanagy has been largely responsible for the Society's success. Focusing on growth, innovation, and opportunity, SME has become the world's largest mining-related organization. He is the recipient of two prestigious awards including the Colorado Society of Association Executives' Professional of the Year award and the Mining and Metallurgical Society of America's Gold Medal award. He has a B.S. degree in industrial education from the University of Maryland, a M.S. degree in technology education from Eastern Illinois University and is a certified association executive by the American Society of Association Executives.

Non-Voting Trustees



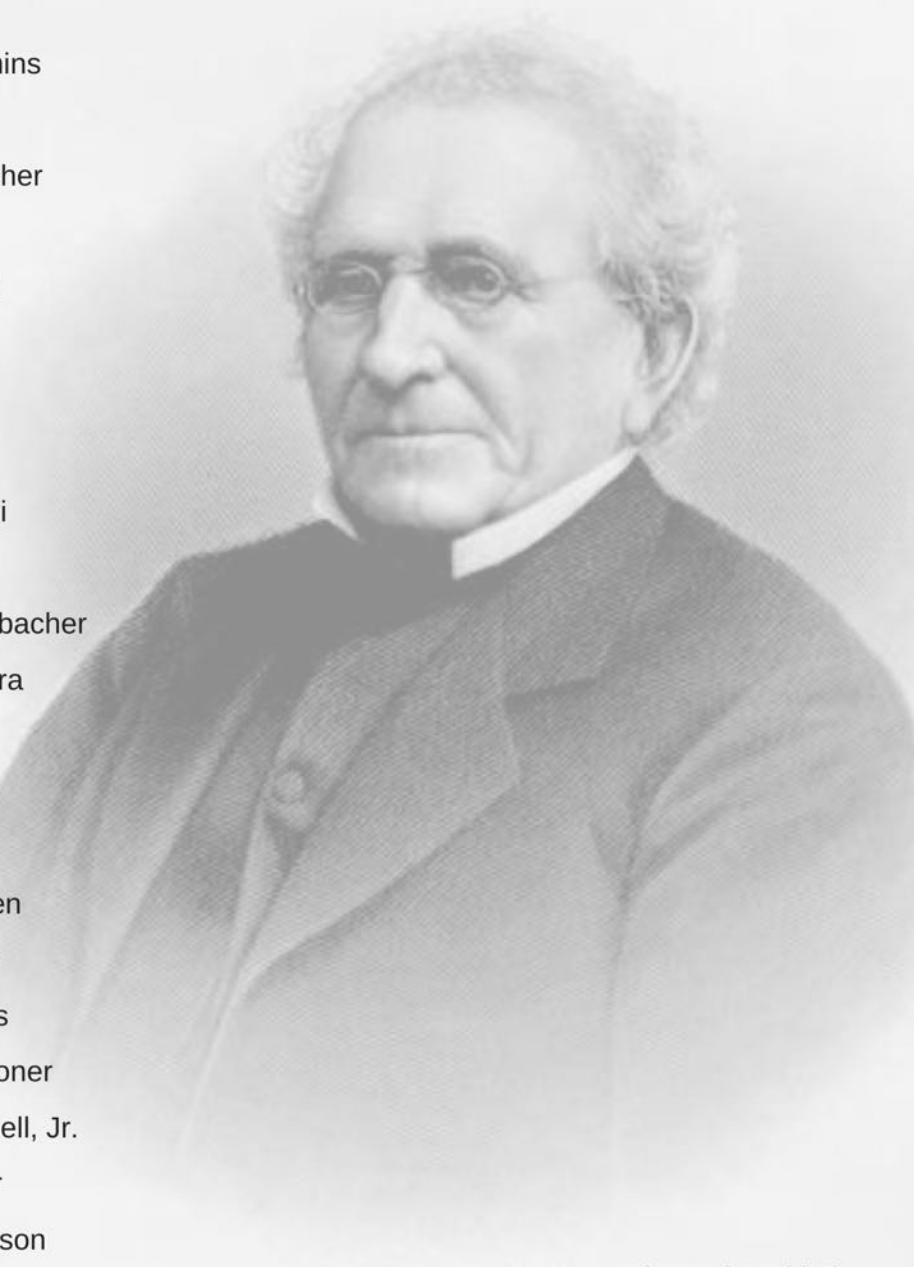
John Ehrig
Executive Director

John joined Inventures in 2004. He led the Inventures association business development practice and served as the executive director of the West Coast Lumber & Building Material Association (WCLBMA) and the CollabForum – a nonprofit hosting organization serving multiple types of collaborative organizations. He works closely with each board to define the short and long-term strategic direction and annual goals for the organization and lead the operational programs required to achieve success. Other client experience includes serving as the executive director of the OSGi Alliance and the Open Authentication Technical Committee (OATC), launching and managing the Open Identity Exchange (OIX), transitioning the Open Identity Foundation (OIDF) and the PC Gaming Alliance (PCGA) from self-managed to AMC managed, managing the Enterprise Grid Alliance (EGA) and merging the EGA with the Global Grid Forum (GGF) to create the Open Grid Forum (OGF), and having a key role in forming and launching of the GENIVI Alliance. Prior to joining Inventures, John worked as Director of Product Management for Symmetricom, the worldwide leader in telecommunications network synchronization equipment, where he led the development of a \$30m/year product line and later headed the corporate marketing department. Previously he was Director of Marketing and Sales for Coastcom, a telecommunications equipment manufacturer.

John graduated with distinction from Pennsylvania State University with a B.S. degree in Business Administration. In his free time, John can be found in pursuit of his other passion, rock climbing the mountains of the western US.

AIME Past Presidents - Active List

2022 – Jennifer Miskimins
2021 – Kevin Zeik
2020 – George Luxbacher
2019 – Hani Henein
2018 – Roland Moreau
2017 – John G. Speer
2016 – Nikhil Trivedi
2015 – Garry Warren
2014 – Behrooz Fattahi
2013 – Dale Heinz
2012 – George W. Luxbacher
2011 – Brajendra Mishra
2009 – Ian Sadler
2008 – Michael Karmis
2007 – Dan J. Thoma
2006 – James R. Jorden
2005 – Alan W. Cramb
2004 – Robert C. Freas
2003 – Robert H. Wagoner
1999 – Paul G. Campbell, Jr.
1998 – Roy H. Koerner
1997 – Leonard G. Nelson
1995 – Frank V. Nolfi, Jr.
1983 – Edward E. Runyan



*Photo of David Thomas
1871
First President of AIME*

Recipients of Awards

Honorary Membership

Juergen Cappel

AIST

In honor of his distinguished career in metallurgy, service to the association, and outstanding contributions to advancing the technical education of the steel industry. Throughout his four-decade career as a producer and industrial consultant, Cappel has championed the vital role of foundational metallurgy knowledge to efficient, safe and sustainable steel production. To this end, he has regularly lent his expertise to AIST as a presenter, author, Technology Committee member, session chair and award committee member. And as the architect for the AIST International Steel Academy's successful "The Making, Shaping and Treating of Steel: 201" training course, Cappel has helped AIST deliver quality technical curriculum to steelmakers across the globe, which has elevated AIST's reputation as world-class educational resource for the steel industry.

Jeremy Jones

AIST

For his exemplary service to the industry and the association, and for his commitment to the education of steelmakers worldwide. Jones' technical acumen in the field of electric steelmaking is evidenced by his numerous contributions to AIST training seminars and international conferences, his authorship of the electric steelmaking chapter in the Steelmaking Volume of AIST's The Making, Shaping and Treating of Steel, and by the more than 100 papers he has authored. One of the original instructors of AIST's Modern Electric Furnace Steelmaking training seminar, Jones is known worldwide as an expert in electric steelmaking technologies. In addition to his tireless service to a variety of AIST committees, Jones also served as a global representative for EAF steelmakers through his tenure as chairman of the World Steel Association's EAF Technology Committee.

C. Dale Elifrits

SME

In recognition of his service to SME, SMEF, and as an SME representative to ABET and his distinguished career as a Professor at the UMR School of Mines and Metallurgy, as a role model and a staunch advocate for mining education.

John G. Mansanti

SME

In recognition of his exemplary service to SME and AIME and his distinguished professional career in the mining industry.

Birol Dindoruk

SPE

Prof. Birol Dindoruk's work in the area of displacement in porous media and miscibility assessment and PVT is very well-known, in addition to other professional accomplishments such as being elected as a member of the National Academy of Engineering for significant contributions to enhanced oil recovery and CO₂ sequestration and being the only individual in the entire world serving as an editor-in-chief for the first three most cited oil, petroleum and natural gas journals on Google Scholar.

Curtis Hays Whitson

SPE

For his foremost technical achievement in petroleum fluid characterization, which enables compositional reservoir simulation, and for his influential consulting services, classroom and online industrial courses to share his profound knowledge and experiences with petroleum engineers.

John E. Allison

TMS

For his distinguished service to TMS/AIME and outstanding research achievements in Integrated Computational Materials Engineering of structural light-weight metallic alloys.

Patrice Turchi

TMS

For outstanding and pioneering contributions in alloy theory with applications to stability, ordering, transformations, and for his invaluable service, leadership, and devotion to the Institution.

Recipients of Awards

Presidential Citation (formerly AIME Distinguished Service Award)

John Speer AIST

For his visionary leadership advocating for governance changes and more focused operations to ensure the long-term success of the Institute and enhance its impact to the Member Societies.

Mark Rubin SPE

For your decades of dedication to the Society of Petroleum Engineers, as well as your service on the AIME and United Engineering Foundation boards. We especially appreciate your guidance to manage AIME's oil and gas interests and collaborative and generous spirit to enhance AIME's financial support to all of its four Member Societies, the most important part of its mission.

Rossiter W. Raymond Memorial Award

Guijie Sang and Shimin Liu SPE

Winning Paper - A Pressure-Driven Hole Cleaning Model and Its Application in Real-Time Monitoring with Along-String Pressure Measurements

Charles F. Rand Memorial Gold Medal

Gregory Erwin Hinshaw SME

In recognition of displaying great leadership, innovation, and implementation of engineering and technological solutions that have reduced the risk of accidents, injuries, and illnesses in underground coal mines.

Russell Johns SPE

Dr. Russell Johns is a world-class leader in "outside the limits of conventional thinking" for education, research, and industry. In EOR pilots, the advanced pressure coring and NML logging to estimate residual oil to a few percent. As a professor, he has led the way in developing a surface complexation model for low salinity floods, a mixing cell model for MMP estimation, diffusive transport models for oil shales, HLD-NAC microemulsion models, and more physical relative permeability models.

Environmental Stewardship Distinguished Service Award

Scott I. Benowitz SME

For his valuable contribution to the progress of mine-water treatment technology.

Mineral Economics Award

Ryan T. Desko SME

For significant contributions, leadership, and dedication to financial modeling, engineering, and economics in the minerals industries.

Mineral Industry Education Award

J. Richard Kyle

SME

In recognition of four decades of distinguished teaching of mineral resources to the University of Texas students and educating mining industry colleagues through research publications, short courses, and field trips.

James Douglas Gold Medal

Sevket Acar

SME/TMS

For his unrelenting efforts and dedication in providing practical, world class solutions in the processing of refractory gold ores, which advanced the fundamentals of minerals beneficiation in nonferrous metallurgy.

Frank F. Aplan Award

Philip Thompson

SME

For outstanding achievement in the development of advanced flotation techniques to further the art of mineral beneficiation while supporting the growth of the industry's future generations.

Percy Nicholls Award

David G. Osborne

SME

For a lifelong commitment to coal quality at many global coal companies, outstanding reference books on coal, and significant work on standards for coal technology and preparation.

Hal Williams Hardinge Award

J. Richard Kyle

SME

In recognition of his efforts as an educator, mentor, geoscientist, editor and mining professional; and his contribution to the knowledge, education of industrial minerals, and earth resources.

Erskine Ramsay Medal

Thomas A. Gray

SME

In recognition of his distinguished achievements in mine subsidence mitigation, abandoned mine fire abatement, and identification of high levels of rare earth elements in coal seams in the Appalachian Regions.

Robert H. Richards Award

Stephen Morrell SME

For his long service and numerous contributions to the science and practice of comminution and mineral processing.

William Lawrence Saunders Gold Medal

Richard J. Lambert SME

In recognition of his extensive experience and contributions to metal mining in all major commodities in a variety of projects worldwide.

Howard N Eavenson Award

Barbara J. Arnold SME

In recognition of her unsurpassed contributions to the coal industry.

Daniel C Jackling Award

Adam White SME

For significant contributions to the mining industry by advancing software that continually enhances the quality, accuracy, and efficiency of mining professionals.

Champ Mathewson Award

TMS

Kei Saito Kenichi Takai Tetsuya Hirade

"Hydrogen Desorption Spectra from Excess Vacancy-Type Defects Enhanced by Hydrogen in Tempered Martensitic Steel Showing Quasi-cleavage Fracture", Metallurgical and Materials Transactions A, November 2019.

Robert Lansing Hardy Award

Zhuoran Zeng TMS

For seminal contributions in microstructure-processing-property relationships in magnesium alloys.

Benjamin F. Fairless Award

Ian A. Cameron

AIST

For his contributions to the ironmaking industry spanning more than four decades. Cameron is recognized as a global authority on ironmaking technologies and practices and is co-author of *Blast Furnace Ironmaking: Analysis, Control and Optimization*, one of the most comprehensive modern publications dedicated to the art and science of ironmaking. An avid teacher and mentor to the next generation of ironmaking technologists, Cameron passionately serves AIST's mission to advance technology for iron, steel, and ferrous metallurgy.

J.E. Johnson Award

Bashar Alzihery

AIST

Hunt-Kelly Outstanding Paper (AIST) – 2023

* Partially funded by the AIME Robert W. Hunt Fund

First Place: Implementation of the Tiltable Sidewall Burner at Nucor Steel Tuscaloosa Inc.: Dynamically Adjustable Burner Angle to Optimize Scrap Melting and Reduce Refractory Wear

Justin Novotny
Ryan Junkin

Michael Mayhall
Jake Franks
Phil Baker

Patrick Hanswert
Fatih Goekce

Note: The \$5,000 prize will be divided equally among the authors.

Second Place: Addition of Scrap and DRI/HBI to the Blast Furnace – Technology to Overcome Top Temperature Limits and Reduce Greenhouse Gas Emissions

Ian Cameron
Don Tu

Mitren Sukhram
Jennifer Woloshyn

Note: The \$2,500 prize will be divided equally among the authors.

Third Place: Analysis of Inclusion Clusters Using Machine Learning Tools

Webler

Mabdulsalam

MJ Jacobs

Note: The \$1,000 prize will be divided equally among the authors.

Anthony F. Lucas Gold Medal

Russell Johns

SPE

Dr. Russell Johns is a world-class leader in "outside the limits of conventional thinking" for education, research, and industry. In EOR pilots, the advanced pressure coring and NML logging to estimate residual oil to a few percent. As a professor, he has led the way in developing a surface complexation model for low salinity floods, a mixing cell model for MMP estimation, diffusive transport models for oil shales, HLD-NAC microemulsion models, and more physical relative permeability models.

DeGolyer Gold Medal

Saeed Al-Mubarak

SPE

Saeed Al Mubarak, a very active SPE member since 1994, has worked tirelessly in various capacities including committees, sub-committees, technical groups, sections, mentoring, lecturing, and in organizing and steering workshops, conferences, and symposia. His contributions and activities span across local and international levels, technical and administrative, simple to leadership roles in the SPE.

Recipients of Scholarships

Henry DeWitt Smith Scholarship – 2023

SPE

Ibrahim Gomaa, University of Texas, Austin

SME

Clifford Stout, Montana Tech

Peter Chidi Augustine, University of Nevada-Reno

AIST

Amelia L. McNamee, Georgia Southern University

TMS

Jack Grimm, University of Washington

Haozheng Qu, Purdue University

Benjamin F. Fairless Scholarship – 2023

AIST

Raymond P. Wysmierski, University of Tennessee Knoxville

John S. Marshall Memorial Scholarships – 2023

Zubin Soomar, University of Arizona

Manish Garje, Indian Institute of Technology-Dhanbad

Shubham Pandey, Indian Institute of Technology-Dhanbad

SME Coal & Energy Scholarships – 2023

* Partially funded by the AIME Howard N. Eavenson Fund

Brian Welsh, West Virginia University

Hannah Chop, Penn State

Bryce Goad, University of Kentucky

Chad Huish, University of Utah

The Lewis E. and Elizabeth W. Young Undergraduate Scholarships – 2023

* Selected by SME-WAAIME Pennsylvania-West Section

West Virginia University - Mining Engineering

Justin Waybright
Jacob Horner
Ashton Crawford

Virginia Polytechnic Institute and State University - Mining Engineering

Akash Talapatra
Festus Animah
Abduljeleel Ajibona

University of Pittsburgh - Mining Engineering

Alyssa Barton
Sean Cotton

Pennsylvania State University

Chase Gleason

Drexel University - Material Science Engineering

Prastuti Upadhyay

University of Nevada - Metallurgical Engineering

Mohammad Anwar Karim

University of Tennessee - Mechanical Engineering

Garrett Fields

AIME Honorary Members

Honorary Membership is awarded in appreciation of outstanding service to the Institute or in recognition of distinguished scientific or engineering achievement in fields embracing, broadly speaking, the activities of AIME and its Member Societies.

Active List with Year of Election

2023	Juergen Cappel	AIST	2020	Jun Yao	SPE
2023	Jeremy Jones	AIST	2019	Wendell Carter	AIST
2023	C. Dale Elifrits	SME	2019	John O. Marsden	SME
2023	John G. Mansanti	SME	2019	Korukonda Linga Murty	TMS
2023	Birol Dindoruk	SPE	2019	Maria A. Capello	SPE
2023	Curtis Hays Whitson	SPE	2019	Anuj Gupta	SPE
2023	John E. Allison	TMS	2019	Franklin M. Orr, Jr.	SPE
2023	Patrice Turchi	TMS	2019	Jeffrey B. Spath	SPE
2022	Rick Bodnar	AIST	2019	Ganesh C. Thakur	SPE
2022	Mary B. Korpi	SME	2018	Christine Ehlig-Economides	SPE
2022	Olivier Houzé	SPE	2018	Behrooz Fattahi	SPE
2022	Roland Moreau	SPE	2018	Joyce Holtzclaw	SPE
2022	Elizabeth A. Holm	TMS	2018	C. Susan Howes	SPE
2021	John G. Speer	AIST	2018	Mridul Kumar	SPE
2021	Terry G. Fedor II	AIST	2018	Stefan Z. Miska	SPE
2021	Ronald J. O'Malley	AIST	2018	Steven Hansen	AIST
2021	Chenn Q. Zhou	AIST	2018	Thomas J. Russo	AIST
2021	Barbara J. Arnold	SME	2018	Subhash Mahajan	TMS
2021	Timothy D. Arnold	SME	2018	Tresa Pollock	TMS
2021	J. Steven Gardner	SME	2018	Drew A. Meyer	SME
2021	Mary M. Poulton	SME	2017	Dongxiao Zhang	SPE
2021	Mohammed Y. Al Qahtani	SPE	2017	Sidney S. Smith, Sr.	SPE
2021	George V. Chilingar	SPE	2017	Dean S. Oliver	SPE
2021	Thomas Arthur Gouldie	SPE	2017	Alexander A. Neyin	SPE
2021	Jitendra Kikani	SPE	2017	Robert Gordon Moore	SPE
2021	George J. Moridis	SPE	2017	Anil Kumar	SPE
2021	Robello Samuel	SPE	2017	Akhil Datta-Gupta	SPE
2021	Dan J. Thoma	TMS	2017	William P. Breedlove	AIST
2021	David McDowell	TMS	2017	Andrew S. Harshaw	AIST
2020	Glenn Pushis	AIST	2017	Richard P. Teets Jr.	AIST
2020	Tayfun Babadagli	SPE	2017	Hugh Miller	SME
2020	A. Daniel Hill	SPE	2017	Art Schweizer	SME
2020	Ronald L. Hinn	SPE	2017	Reza Abbascian	TMS
2020	D. Nathan Meehan	SPE	2017	Rohit Trivedi	TMS
2020	Hemanta K. Sarma	SPE	2016	Daniel Moos	SPE
2020	Mukul M. Sharma	SPE	2016	Sunil Kokal	SPE

AIME Honorary Members (continued)

2016	C. Shah Kabir	SPE	2010	Cesare Colamasi	SPE
2016	Ali Daneshy	SPE	2010	Ram G. Agarwal	SPE
2016	James R. Arnold	SME	2010	Michael Karmis	SME
2016	Siegfried Hecker	TMS	2010	Raja V. Ramani	SME
2016	Dale Heinz	AIST	2010	Robert G.H. Lee	AIST
2015	Emmanuel Garland	SPE	2009	Alan W. Cramb	AIST
2015	J.J. Azar	SPE	2009	James P. Brill	SPE
2015	Syed A. Ali	SPE	2009	Abbas Firoozabadi	SPE
2015	Hazim H. Abass	SPE	2009	Alain C. Gringartern	SPE
2015	Bernt S. Aadnoy	SPE	2008	Dato' Mohamad Idris Mansor	SPE
2015	Randy Skagen	AIST	2008	David K. Matlock	AIST
2015	William H. Wilkinson	SME	2008	Gary A. Pope	SPE
2015	Ta Li	SME	2008	Kenneth E. Arnold	SPE
2015	Thomas A. Blasingame	SPE	2008	Robert C. Freas	SME
2014	Mary F. Wheeler	SPE	2008	Robert H. Wagoner	TMS
2014	Albert C. Reynolds, Jr.	SPE	2007	David R. Keith	SPE
2014	Thomas K. Perkins	SPE	2007	Don W. Green	SPE
2014	S.M. Farouq Ali	SPE	2007	Roland N. Horne	SPE
2014	Ali H. Dogru	SPE	2007	Roy H. Koerner	SPE
2014	Adam T. Bourgoyne, Jr.	SPE	2006	Merton C. Flemings	TMS
2014	Roderick I. L. Guthrie	AIST	2006	Larry W. Lake	SPE
2014	William P. Barker	AIST	2006	Leonard G. Nelson	AIST
2014	David Seidman	TMS	2005	Fernando Samaniego-Verduzco	SPE
2013	Fred I. Stalkup	SPE	2003	Peter D. Gaffney	SPE
2013	Medhat M. Kamal	SPE	2003	Rajagopal S. Raghavan	SPE
2013	Kate Hadley Baker	SPE	2002	Edgar C. Capen	SPE
2013	Turgay Ertekin	SPE	2002	John P. Hirth	TMS
2013	Ali R. Al-Jarwan	SPE	2001	W. John Lee	SPE
2013	Indira Samarasekera	AIST	2001	Sadad I. Al-Husseini	SPE
2013	Bhakta B. Rath	TMS	2000	Dennis E. Gregg	SPE
2013	Nikhil C. Trivedi	SME	1998	R. Lyn Arscott	SPE
2012	George W. Luxbacher	SME	1998	John K. Hammes	SME
2012	Iraj Ershaghi	SPE	1997	Necmettin Mungan	SPE
2012	Andrew A. Young	SPE	1996	Khalid Aziz	SPE
2012	David E. Laughlin	TMS	1995	James R. Jorden	SPE
2012	Ian Sadler	AIST	1995	Hossein Kazemi	SPE
2011	Yannis C. Yortsos	SPE	1993	Charles L. Bare	SPE
2011	Egbert U. Imomoh	SPE	1992	Alexander McLean	AIST
2011	William M. Cobb	SPE	1990	Michael Prats	SPE
2011	Theodore F. Lyon	AIST	1989	Douglas W. Fuerstenau	SME
2011	Barbara A. Filas	SME	1988	Edward E. Runyan	SPE
2010	Eve Sprunt	SPE	1973	Harrison H. Schmitt	SME
2010	Fikri J. Kuchuk	SPE			

Legion of Honor - 50 Year Members

**Class
of
1973**

AIME is proud to honor the following people whose membership in the Institute spans a fifty-year period. To all of these people, AIME owes gratitude for their loyalty and appreciation for their faith in its standards. Some have held high office in the AIME ranks and have devoted their time and talents to its continued growth and prestige. They stand to serve as outstanding inspirations for all members.

Association for Iron and Steel Technology (AIST)

Gary A. Butler
Thomas J. Croyle
Lawrence F. Fabina

Larry T. Hoffman
David W. Johnson
Craig C. Peterson
Joseph V. Poplawski

Joseph J. Poveromo
Dennis H. Radford
Donald H. Schiele

Society for Mining, Metallurgy, and Exploration (SME)

Thomas Bagan
Thomas Baker
David Baughman
Michael Baumann
John Begeman
John Bowsher
Phil Breaden
Corale Brierley
Scott Britton
David Brown
Darrel Cameron
Steven Carpenter
Odin Christensen
Mark Coolbaugh
Charles Eady
Thomas Eaton
David Farnsworth

William Felts
Leigh Freeman
Richard Frentress
Robert Green
Richard Hall
Larry Harkins
Ronald Hartung
Laren Haskins
Daniel Hurst
Uldis Jansons
Don Jenkins
Lane Johnston
Donald Keene
Bruce Kettunen
Charles Kliche
Fleetwood Koutz
Henry Lamb

Alan Levy
John Lucking
Joseph Mattson
Steven McClelland
Steven McGhee
Donald Moe
Brij Moudgil
Ted Moulin
Charles Mulhall
Kirk Nobis
Jerry Oliver
Terry Owen
Terry Palm
Fredric Pirkle
John Purcell
William Reid
Jean-Michel Rendu

Richard Rickard
Jim Rouse
George Sanders
Larry Schmelzer
Harrison Schmitt
Henry Scholz
Robert Shank
Alastair Summers
Dan Tolgyesi
Peter Versteegh
David Wahl
Randall Wallett
William Warfield
Larry Watters
Christopher West
Richard Whiting
Richard Young

Legion of Honor - 50 Year Members (continued)

Society of Petroleum Engineers (SPE)

Andrew S. Abarr	Avis A. Downey	Gary G. Krieger	Shie W. Rhee
David M. Adams	Robert A. Downey	Tore Kristiansen	Richard D. Rhodes Sr.
Neal J. Adams	Michael D. Drennon	Daniel A. Krygowski	Steven A. Richards
Gus Alvarado Sr.	Larry W. DuBose	Kwabena A. Kwakwa	William C. Richardson
Robert W. Anderson	Neil K. Dunlop	Clarence A. Lacy	Fred P. Richoux
Jun Anli	Shari Dunn-Norman	Istvan J. Lakatos	Roy M. Riley
Paul D. Appel	Rodney W. Eads	Larry Wayne Lake	Allyn W. Risley
Solomon O. Asekun	James W. Earhart	Bradford O. Larson	Charles E. Sale
Hazim H. Al-Attar	Arild Eldoy	Leander J. Lavergne Jr.	Donald M. Saunders
Jamal J. Azar	Turgay Ertekin	James C. Ledlow Jr.	Edwin T. Savage
George A. Baldwin Jr.	Agodichukwu S. Ezeudembah	Greg S. LeGrande	Byron D. Savill
Tom J. Bass Jr.	Keith R. Fangmeier	Ken R. LeSuer	Donald R. Schlater
Zaki Bassiouni	Eugene O. Fielder	Danny R. Lewis	Kenneth L. Schuessler
George G. Beacom	Ole S. Fjaere	Frank H. Lim	Basdeo Seeram
Kirk Bell	Ronald J. Folse	Bernard C. Lucas Jr.	Nureddin S. Sehweil
Renger P. Bierema	Brooks Frazier	James M. Macadam	Frank E. Seymour
Marcelo L. Bigott	Craig D. Freeman	Frank J. Marek	Leslie G. Simon
Michael L. Bill	Jack M. Fritts	Marinus C. Maris	Alastair J. Simpson
Steven K. Blair	Dennis M. Gleason	Allan P. Markin	Ishwar Singh
Hayne S. Blakely	Robert J. Gouldie	Jose K. Marques	Eric W. Skaalure
John S. Boardman	Mark H. Griffin	Jimmy D. Martin	Christopher A. Smith
Michael T. Borah	James M. Hartshorne	Nabil F. Masri	Michael B. Smith
James N. Bostic III	Paul W. Heard	Gerald L. Mathews	Stanford M. Smith
James A. Brandt	Allan R. Heinle	Clarence A. Miller	James J. Smolen
Thomas J. Brassfield	Roger L. Heldman	Randy B. Miller	John R. Stowell
Sidney J. Breaux	William E. Hendricks	Jack F. Minor	Sidney Stuckenbruck
Peter J. Briggs	Christopher E. Heuer	Robert F. Mitchell	Robert P. Sutton
Michael W. Britton	R. L. Hilbun	Diamond A. Mohamed	Gary S. Swindell
John D. Brown	Ronald L. Hinn	Enrique C. Morales	Geir I. Tangen
Richard A. Brown	Joseph A. Holley	Charles W. Morris	Larry S. Tarwater
John L. Brumley	Will Honeybourne	Ronald L. Morris	Leonard L. Taylor
Lindsay N. Bundesen	David L. Hood	Michele K. Mudrone	John Tenfelder
Norman F. Carnahan	David H. Hopkins Jr.	Richard J. Murphy	James E. Thompson Jr.
Jesus M. Castillo	Roger L. Horton	Hani R. Murtada	Purvis J. Thrash Jr.
Robert A. Clark Jr.	Aleem Hosein	Stephen H. Neuse	Thomas S. Thrasher
Michael P. Cleary		Gary J. Nilson Sr.	William J. Tom

Legion of Honor - 50 Year Members (continued)

Society of Petroleum Engineers (SPE)

Jeremy Cliff	Barbara J. Howes	Kenneth D. Oglesby	Christopher S. Truefitt
Jeffrey C. Collins	Jeff B. Hume	David J. Ogren	David R. Underdown
Stephen L. Collins	John C. Hunter	Gary W. Palmer	Michael E. Utt
Jacquelyn R. Colwell	Raymond L. Ingle	Fred A. Parker	Mark N. Varhaug
Paul G. Colyer	Wesley W. Ingram	Hector R. Partidas	Mahendra K. Verma
Clarence W. Conn	Barry K. Irani	John C. Patterson	Buckley A. Walsh
James H. Conners II	John R. Irwin	Kent F. Perry	Scott L. Wellington
Jim E. Cook	John R. Jackson	Ekwere J. Peters	Bill Weser
Colin B. Cranfield	William L. Jackson	Wayne L. Peterson	Michael K. Whitaker
Larry A. Cress	Robert L. Jewell	David L. Pierce	William S. Whitehead
Geoffrey W. Cull	Barton M. Johnson	Pamela S. Pierce	Donald M. Williams
Diana E. Dede	Christopher W. Jones	Henry E. Pino	Eldon G. Williams Jr.
Dennis W. Denney	Ali G. Kadaster	Ricky K. Prather	J. Wright Williamson
Saiid El Derini	Glen E. Kellerhals	Rex N. Privett	Basil R. Willis
Richard G. Dillon	Henry G. Kleemeier	Cynthia A. Reece	Daniel G. Wilson
Richard P. Dixon	Stanley W. Kleinstieber	Daniel C. Renault	Robert J. Wittman
Danny Q. Dorsey			Victor M. Ziegler

The Minerals, Metals & Materials Society (TMS)

Dibyajyoti Aichbhaumik	Charles Gordon	Andrew Sherman
Marlin Baggett	John Grubb	Todd Smith
Donald Bly	Paul Holloway	Edward Stover
Yew Chen	Steven Jansto	Carl Swanson
Alan Chynoweth	Donald Johnson	Jon Taylor
Mahmoud Demeri	Thomas Leax	Joseph Thomas
Francois Faure	David Matlock	William Tolley
Charles Finn	Philip Metz	Mark Vancas
Harold Frost	Jagdish Narayan	Michael Weiss
George Fulford	R. Revie	Charles Witherell
Martha Goodway	David Robertson	Walter Zanchuk

**AMERICAN INSTITUTE OF MINING, METALLURGICAL, AND
PETROLEUM ENGINEERS, INC.**

**STATEMENT OF FINANCIAL POSITION
DECEMBER 31, 2023 (with comparative totals for 2022)**

	2023	2022
ASSETS		
CURRENT ASSETS		
Cash and cash equivalents	\$ 176,098	\$ 305,470
Accounts receivable	59,095	
Inventory	25,785	12,911
Prepaid expenses and other assets	<u>46,938</u>	<u>43,847</u>
Total current assets	307,916	362,228
BENEFICIAL INTEREST IN PERPETUAL TRUST	373,639	348,007
INVESTMENTS	<u>11,330,077</u>	<u>10,523,291</u>
TOTAL ASSETS	<u>\$ 12,011,632</u>	<u>\$ 11,233,526</u>
LIABILITIES AND NET ASSETS		
CURRENT LIABILITIES		
Accounts payable and accrued expenses	<u>\$ 69,886</u>	<u>\$ 53,979</u>
NET ASSETS		
Without donor restrictions:		
Designated for medal awards	1,200,916	1,055,272
Designated for specific use	2,050,129	1,885,500
Undesignated	<u>3,857,016</u>	<u>3,682,689</u>
Total net assets without donor restrictions	7,108,061	6,623,461
With donor restrictions	<u>4,833,685</u>	<u>4,556,086</u>
Total net assets	<u>11,941,746</u>	<u>11,179,547</u>
TOTAL LIABILITIES AND NET ASSETS	<u>\$ 12,011,632</u>	<u>\$ 11,233,526</u>

See notes to financial statements.

**AMERICAN INSTITUTE OF MINING, METALLURGICAL, AND
PETROLEUM ENGINEERS, INC.**

STATEMENT OF ACTIVITIES

FOR THE YEAR ENDED DECEMBER 31, 2023 (with comparative totals for 2022)

	2023			2022
	Without Donor Restrictions	With Donor Restrictions	Total	
REVENUE				
Investment income (loss), net	\$ 887,150	\$ 531,386	\$ 1,418,536	\$ (2,121,085)
Offshore technology conference	1,277,562		1,277,562	1,328,921
Change in beneficial interest in perpetual trust		39,493	39,493	(90,660)
Royalties	52,650		52,650	23,236
Contributions		16,660	16,660	
Copyrights and other revenue	3,408		3,408	3,359
Gain from sale of oil and gas interest				400,000
Net assets released from restriction	309,940	(309,940)		
Total	2,530,710	277,599	2,808,309	(456,229)
EXPENSES				
Program services:				
Grants	1,385,927		1,385,927	1,131,762
Endowment spending	329,372		329,372	373,561
Strategic initiatives	67,168		67,168	136,540
Total program services	1,782,467	—	1,782,467	1,641,863
Supporting services:				
General and administrative	263,643		263,643	127,173
Total	2,046,110	—	2,046,110	1,769,036
CHANGE IN NET ASSETS	484,600	277,599	762,199	(2,225,265)
NET ASSETS, Beginning of year	6,623,461	4,556,086	11,179,547	13,404,812
NET ASSETS, End of year	\$ 7,108,061	\$ 4,833,685	\$ 11,941,746	\$ 11,179,547

See notes to financial statements.

**AMERICAN INSTITUTE OF MINING, METALLURGICAL, AND
PETROLEUM ENGINEERS, INC.**

STATEMENT OF FUNCTIONAL EXPENSES

FOR THE YEAR ENDED DECEMBER 31, 2023 (with comparative totals for 2022)

	2023						2022 Expenses Total	
	Program Services			Supporting Services				
	Grants	Endowment Spending	Strategic Initiatives	Total Program Services	General and Administrative	Expenses Total		
Member society distributions	\$ 1,385,927			\$ 1,385,927		\$ 1,385,927	\$ 1,131,762	
Medals, awards and scholarships		\$ 308,014		308,014		308,014	267,656	
Payroll and employee benefits					\$ 193,037	193,037	149,669	
Meetings - external and other		21,301	\$ 58,093	79,394	1,182	80,576	140,351	
AIME Board meetings and travel			5,219	5,219	27,729	32,948	23,988	
Supplies, postage, repairs and maintenance			57	57	20,273	20,330	20,750	
Audit, legal and professional services					19,209	19,209	30,191	
Promotion and advertising			3,856	3,856		3,856	1,570	
Insurance					1,883	1,883	2,235	
Other					330	330	864	
TOTAL	\$ 1,385,927	\$ 329,372	\$ 67,168	\$ 1,782,467	\$ 263,643	\$ 2,046,110		
PERCENTAGE	68%	16%	3%	87%	13%	100%		
TOTAL - 2022	\$ 1,131,762	\$ 373,561	\$ 136,540	\$ 1,641,863	\$ 127,173		\$ 1,769,036	
PERCENTAGE - 2022	64%	21%	8%	93%	7%		100%	

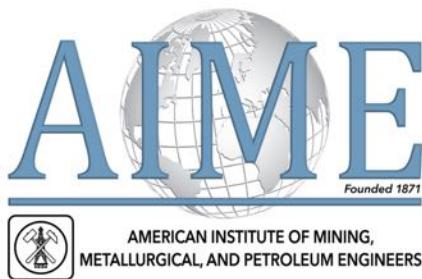
See notes to financial statements.

**AMERICAN INSTITUTE OF MINING, METALLURGICAL, AND
PETROLEUM ENGINEERS, INC.**

**STATEMENT OF CASH FLOWS
FOR THE YEAR ENDED DECEMBER 31, 2023 (with comparative totals for 2022)**

	2023	2022
OPERATING ACTIVITIES		
Change in net assets	\$ 762,199	\$ (2,225,265)
Adjustments to reconcile change in net assets to net cash used in operating activities:		
Realized and unrealized losses (gains) on investments	(1,203,656)	2,321,191
Gain from sale of oil and gas interest		(400,000)
Change in beneficial interest in perpetual trust	(39,493)	90,660
Changes in operating assets and liabilities:		
Accounts receivable	(59,095)	
Inventory	(12,874)	(5,020)
Prepaid expenses and other current assets	(3,091)	(10,281)
Accounts payable and accrued expenses	<u>15,907</u>	<u>12,081</u>
Net cash used in operating activities	<u>(540,103)</u>	<u>(216,634)</u>
INVESTING ACTIVITIES		
Proceeds from sales of investments	1,241,077	2,152,485
Purchases of investments	(830,346)	(2,048,041)
Proceed from sale of oil and gas interest		400,000
Net cash provided by investing activities	<u>410,731</u>	<u>504,444</u>
INCREASE (DECREASE) IN CASH AND CASH EQUIVALENTS	(129,372)	287,810
CASH AND CASH EQUIVALENTS, Beginning of year	<u>305,470</u>	<u>17,660</u>
CASH AND CASH EQUIVALENTS, End of year	<u><u>\$ 176,098</u></u>	<u><u>\$ 305,470</u></u>

See notes to financial statements.



American Institute of Mining, Metallurgical, and Petroleum Engineers, Inc.

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 Internet: www.aimehq.org
 E-mail: aime@aimehq.org

Member Societies



Association For Iron and Steel Technology

186 Thorn Hill Road, Warrendale, PA 15086
 Phone: 724-814-3000, Fax: 724-814-3001
 Internet: www.aist.org
 E-mail: info@aist.org



Society for Mining, Metallurgy, and Exploration

12999 East Adam Aircraft Circle, Englewood, CO 80112
 Phone: 303-948-4200, Fax: 303-973-3845
 Internet: www.smenet.org
 E-mail: sme@sment.org



Society of Petroleum Engineers

Society of Petroleum Engineers

PO Box 833836, Richardson, TX 75083-3836
 Phone: 972-952-9393, Fax: 972-952-9435
 Internet: www.spe.org
 E-mail: postmaster@spe.org



The Minerals, Metals & Materials Society

5700 Corporate Drive Suite 750, Pittsburgh, PA 15237
 Phone: 724-776-9000, Fax: 724-776-3770
 Internet: www.tms.org
 E-mail: tmsgeneral@tms.org