

American Institute of Mining,
Metallurgical, and Petroleum Engineers

2025 ANNUAL REPORT



Founded 1871

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Member Societies:



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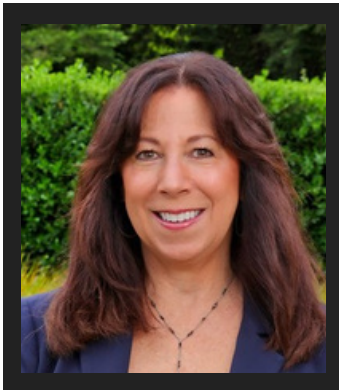
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The Year in Review



Ronald J. O'Malley
2025 President



Barbette Barlow
Executive Director

Report of the 2025 – 2026 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. Each Member Society has one 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, including the Member Society CFOs, also serving on AIME committees and external award committees administered by AIME’s sister organizations, as shown below:

AIME Committees & Volunteers 2025-2026

AIME Audit Committee Simon Seaton, SPE Brad Boyce, TMS Melissa Russell, SME Ron Ashburn, AIST Barbette Barlow, AIME Shellie Smith, AIME	AIME Finance Committee Shauna Noonan, SPE Steve Byrne, SPE Alicia Arbuckle, TMS Michelle Hegarty, SME Stacy Varnecky, AIST Barbette Barlow, AIME Shellie Smith, AIME	Member Society Award & Scholarship Committee Lori Davis, SPE James Whitaker, SPE Debby Hixon, TMS Jonathan Deyoe, SME Jean David, SME Nicole Mattern, AIST Lori Wharrey, AIST Shellie Smith, AIME Toni Griffin, AIME
 Washington Award Birol Dindoruk, SPE Peter C. Collins, TMS	 National Inventors Hall of Fame®	 Hoover Award Zhenhua “Ray” Rui, SPE Yogashri Pradhan, SPE (Alternate)
ETHW Council Paige McCown, SPE Melissa Serdinsky, SME Chris McKelvey, AIST Shellie Smith, AIME	Emerging Leaders Alliance James Whitaker, SPE Debby Hixon, TMS Mona Vandervoort, SME Chris McKelvey, AIST Jamie Blick, AIST	United Engineering Foundation Roland Moreau, SPE Ron Ashburn, AIST Barbette Barlow, AIME Shellie Smith, AIME
 ASCE Alfred Noble Prize		James Furman Kemp Memorial Fund for Research and Publication in Geology

Milestone Recognition

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

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](#).



Dale Elifrits
SME



Corale Brierley
TMS



Frank Goodwin
AIST



Pravin Mathur
AIST



Dennis Bryan
SME



Mark Pearson
SPE



Ramona Graves
SPE



Ronald Parratt
SME



Dennis Bryan
SME



Mark Pearson
SPE



Ramona Graves
SPE

Corale Brierley
TMS

TMS
The Minerals, Metals & Materials Society

AIST
ASSOCIATION FOR IRON & STEEL
TECHNOLOGY

SME
Society for Mining, Metallurgy & Exploration

SPE International
Society of Petroleum Engineers

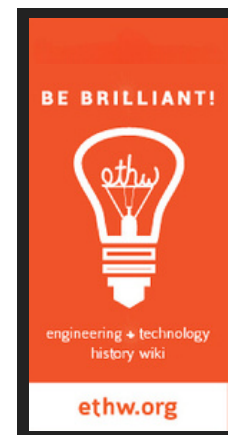
Newly
Released
in 2025

We are proud to share over 98 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.

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. UEF gives nearly \$1,000,000 in grants annually to deserving 501(c)3 organizations which advance engineering. AIME representatives on the UEF Board are AIST's Executive Director, [Ron Ashburn](#) and AIME 2018 President from SPE, [Roland Moreau](#). In September

2025, AIME participated in the UEF Board meeting hosted by AIChE in Washington, DC, where attendees enjoyed a social outing at VUE with a view of our nation's capital.

Foundational Role

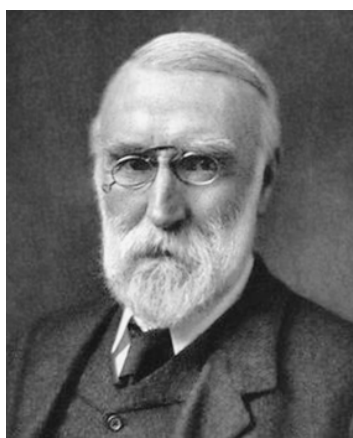
Finally, one of AIME's most important roles has been to provide grants from any surpluses to the Member Societies. AIME also provides all Member Societies annual grants from the [Offshore Technology Conference events](#) and the following endowment funds for specific purposes:



Seeley W. Mudd



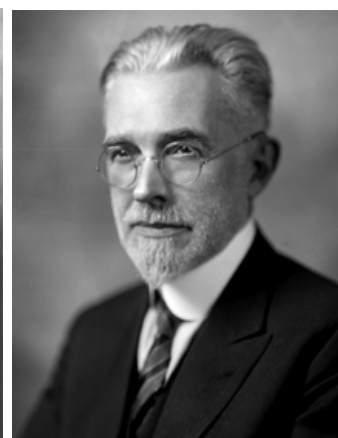
James Douglas Library



Charles Hayden



Henry L. Doherty



President's Notes

AIME in 2025–2026: Celebrating 155 Years and Building for the Future

The American Institute of Mining, Metallurgical, and Petroleum Engineers (AIME) continued its longstanding mission in 2025–2026, serving as the umbrella organization for four major member societies — AIST (Association for Iron & Steel Technology), SME (Society for Mining, Metallurgy & Exploration), SPE (Society of Petroleum Engineers), and TMS (The Minerals, Metals & Materials Society) — representing a combined community of nearly 175,000 professionals worldwide.

AIME's guiding principles continue to center on honoring the legacy and traditions of the institute, providing service to member societies, and managing investments and opportunities responsibly. As one of the five Founder Societies of engineering in the United States, AIME's objectives include enhancing national visibility for its member societies and advancing mining, metallurgical, and petroleum engineering.

Member Society Events

The year featured a strong calendar of major technical gatherings. The TMS 2025 154th Annual Meeting & Exhibition in Las Vegas brought together more than 4,000 engineers, scientists, business leaders, and other professionals in the minerals, metals, and materials fields. The AISTech 2025 Annual Meeting and Exhibition in Nashville brought together more than 8,000 engineers, scientists, business leaders, and suppliers in support of comprehensive exchanges of technical knowledge. Other key events included the MINEXCHANGE 2025 SME Annual Conference & Expo in Denver, Colorado. The event drew 6,923 registrants, which included 977 international members and 602 students. SPE ATCE 2025 in Houston pulled in 5,300+ professionals, representing 62 countries and more than 150 exhibitors—a noteworthy 25% increase in attendance compared to the prior year. The Offshore Technology Conference 2025 in Houston had nearly 25,000 attendees from 100 countries.

Awards and Scholarships

AIME maintained its foundational programs throughout the year, funding 25 annual awards including Honorary Membership, supporting undergraduate and graduate scholarships, and providing its digital library of nearly 550 historical technical documents free to members of all four AIME societies. The organization also continued its partnership in the Emerging Leaders Alliance young professionals training program and its collaboration on the Engineering and Technology History Wiki.

Oral History Program

AIME continued aggressively expanding its flagship oral history library throughout 2025. Pravin Mathur's oral history, released in November, highlighted his key role in the invention, development, and commercialization of green energy technology for steel producers, with work that actively promotes a circular economy and sustainability. In June, the oral history for C. Dale Elifrits was released noting his service to SME, AIME and ABET and honoring his tenure as an educator and faculty member at the University of Missouri, Rolla.

Additional oral histories released in this period profiled oil and gas innovator John de Wardt, mining geologist Dennis P. Bryan, Frank E. Goodwin and Corale L. Brierly who both developed and patented technology in zinc alloys and microorganisms, respectively. Also featured in the 2025 oral history collection are Colorado School of Mines Dean Ramona M. Graves, geologist Ronald L. Parratt, and C. Mark Pearson, an oil and gas industry leader and entrepreneur.

President's Notes Continued

Collaborative Efforts

AIME is one of nine partners in the Emerging Leaders Alliance (ELA) young professionals training program, which hosts about 75 impressive young professionals in Pittsburgh each September. The organization also partners with six other groups to enhance the Engineering and Technology History Wiki, administered by IEEE, which contains articles, biographies, and interviews of influential figures and historical innovations across multiple engineering disciplines.

Annual Meeting and Leadership

AIME held its 154th Annual Board of Trustees meeting in Lexington, Kentucky, combined with SME's Central Appalachian Section's 38th Annual Professional Engineers in Mining Seminar, in August 2025. Looking ahead, the 2026 Annual Board meeting will be held at the Missouri University of Science and Technology.

Leadership Transitions at SME and TMS

Notable milestones of the year were the retirement announcements of long-serving AIME figures. David A. Kanagy, Executive Director of SME, retired after serving AIME in one capacity or another for approximately 28 years. James J. Robinson, Executive Director of TMS, retired after 41 years. Of note, Jim was an employee of AIME before TMS was separately incorporated. He was also the editor of JOM and the author of the long-running column "In the Final Analysis."

Management and Stability

AIME continues to entrust the management of the Institute to Inventures, an association management company founded in 1992 and headquartered in San Ramon, California. This relationship, which started in June 2023, provides stability and accountability to AIME.

As it enters its 155th year, AIME remains committed to connecting the professionals who power the energy and materials sectors — from the mines and oil fields to the steelmaking furnaces and research laboratories, connecting the people and institutions that extract, refine, and build the materials that underpin modern life.



2025 AIME President

Report of the 154th Annual Meeting

AIME leadership was pleased to host its 154th annual Board of Trustees meeting in Lexington, Kentucky, on Wednesday, August 6th, and Thursday, August 7th, 2025, with AIME 2024 President, Steve Gardner, presiding.

The event began on Wednesday with trustees and guests touring several University of Kentucky facilities, including the Center for Applied Energy Research (CAER) and the Kentucky Geological Survey (KGS) Earth Analytical Research Laboratory (EARL). The highlight was a quarry tour where controlled explosions were demonstrated. The day concluded with an evening of dinner and fellowship at the historic Spindletop Hall restaurant, providing an opportunity for collegial engagement in a distinguished setting.

The formal board meeting convened on Thursday at the University of Kentucky's Mining & Minerals Resources Building. Discussion included financial stewardship of the endowments, strategic planning, and the reading of a memorial resolution for Drew A. Meyer (SME). Board members and guests enjoyed a joint reception with AIME's member society, SME, at the James B. Beam Institute prior to attending the 28th Annual Kentucky Professional Engineers in Mining Seminar on Friday, August 8th, 2025, where each of AIME's trustees were invited to present about their society. Visit www.aimehq.org for more information.



New AIME 2026-2027 Officers and Trustees

PRESIDENT



Shauna Noonan
(SPE - Term ends 2028)

Shauna is a Fellow and Senior Director of Global Supply Chain Emerging Technologies for Occidental Petroleum (OXY), leading technology development projects and partnerships to secure competitive advantage. As an OXY Fellow, she participates in developing corporate-wide objectives and technology strategies and mentoring early and mid-career engineers across the company. She holds a Bachelor of Science in petroleum engineering from the University of Alberta and has 33 years of industry experience, primarily in production operations and artificial lift systems globally at OXY, Chevron and ConocoPhillips. She was President of the Society of

Petroleum Engineers (SPE) in 2020, is an SPE Distinguished Member and was named one of Hart Energy's 25 Most Influential Women in Energy in 2020.

PRESIDENT-ELECT



Brad L. Boyce
(TMS - Term ends 2029)

Dr. Brad L. Boyce is a Senior Scientist at Sandia National Laboratories whose research focuses on the microstructural origins of material reliability—deformation, fracture, and fatigue. He earned his B.S. in Metallurgical Engineering from Michigan Technological University (1996), followed by M.S. (1998) and Ph.D. (2001) degrees in Materials Science and Engineering from the University of California, Berkeley. Since joining Sandia in 2001, Dr. Boyce has co-authored over 190 peer-reviewed papers and holds seven U.S. patents, spanning nanostructured alloys, advanced joining methods, and high-throughput test platforms. He is a scientist at the Center for

Integrated Nanotechnologies (CINT), a DOE user facility operated jointly by Sandia and Los Alamos National Laboratories. Dr. Boyce served as 2023 President of TMS—The Minerals, Metals, and Materials Society. His contributions have been recognized with the Hertz Foundation Fellowship, Robert W. Cahn Prize, J. Keith Brimacombe Medal, and Marcus A. Grossman Young Author Award.

PRESIDENT-ELECT DESIGNATE



Marc LeVier
(SME - Term ends 2030)

Marc LeVier served as the Senior Director of Metallurgical Research for Newmont Mining Corporation. Mr. LeVier built a highly visible, world class team of researchers whose efforts helped rebuild Newmont into the world's largest gold producer today.

After retiring from Newmont, Marc served as the CEO, President and Director of several junior rare earth companies. He continues to consult and advise investors on the critical mineral supply chain today.

Mr. LeVier holds a BS and MS Metallurgical Engineering from Michigan Technological University. In 2015 the Montana Board of Regents of Higher Education presented Marc with an Honorary Doctor of Science for his leadership and contributions.

He was the 2023 President for the Society of Mining, Metallurgy & Exploration and recognized as an SME Fellow and Legion of Honor Member. Over the years as an ardent member of SME, Mr. LeVier was recognized with several Presidential citations and the prestigious AIME Douglas Gold Medal.

PAST PRESIDENT



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.

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.



**Trudi Dunlap
(TMS)**

Trudi Dunlap has held numerous positions within TMS since joining the Society's staff in 1999. Prior to her selection as executive director and chief executive officer, Dunlap held the position of senior director of new initiatives and operational integration. In this role, she directed events, continuing education, membership, volunteerism, awards, customer service, and new initiatives development.

As executive director and chief executive officer, Dunlap manages the development and execution of the Society's programs and supports the Board of Directors, the Executive Committee, and other volunteer bodies, inclusive of governance and strategic planning activities. She also supports the efforts of the TMS Foundation as an ex officio member of the Board of Trustees.

Dunlap earned her B.S. in psychology from Geneva College (Beaver Falls, Pennsylvania) and an MBA from Point Park University (Pittsburgh, Pennsylvania). She holds a Certified Meeting Professional credential. Her non-materials professional affiliations include ASAE and the Council of Engineering and Scientific Society Executives.



**Melissa Russell
(SME)**

With more than 30 years of experience in nonprofit association management, Melissa has played a key role in expanding membership, international conferences, publications, and training programs. Russell was previously the Executive Director of the IEEE Computer Society. She holds a BA in journalism with a specialization in advertising from The Ohio State University.

Non-Voting Trustees



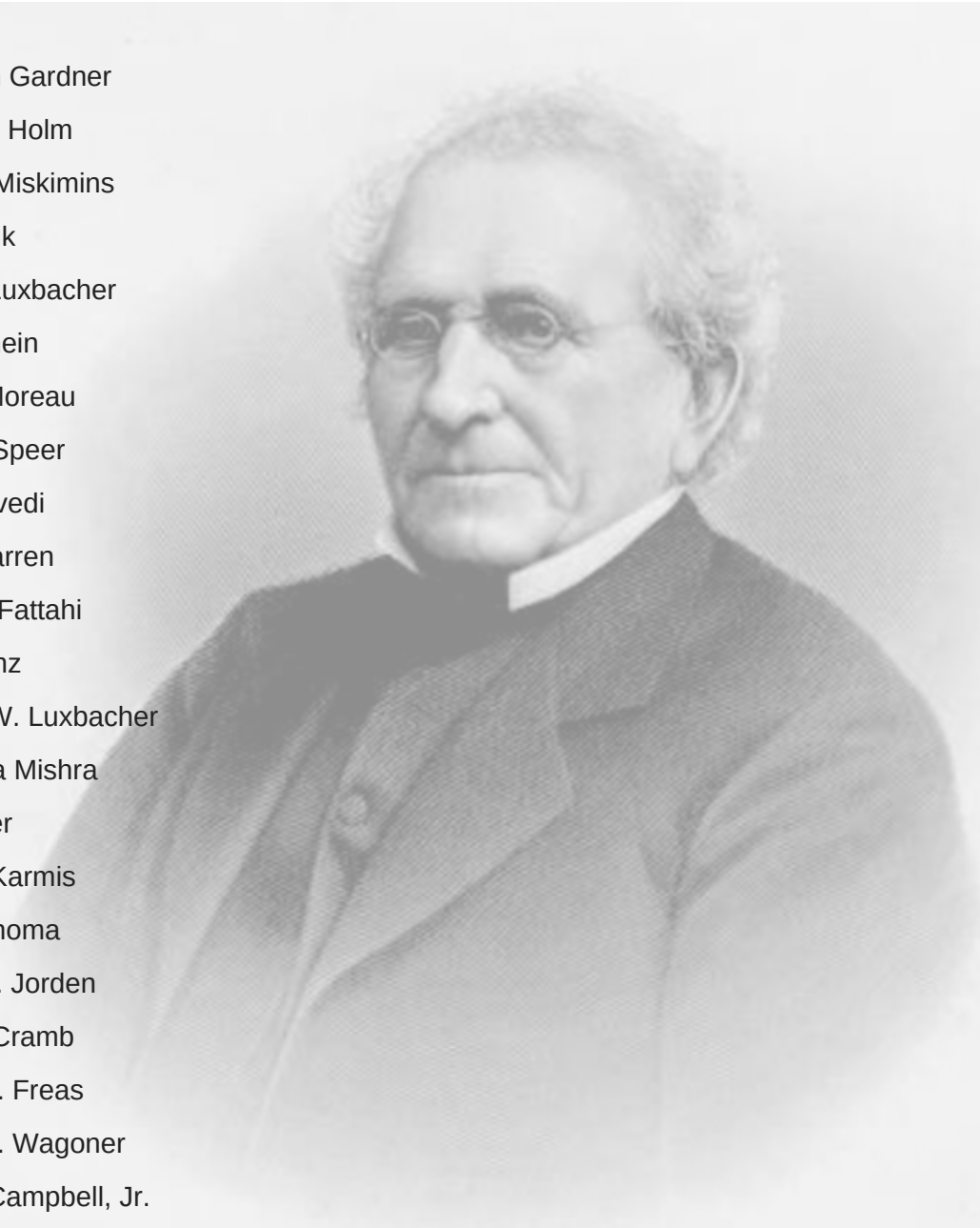
Barbette Barlow
Executive Director

Barbette Barlow serves as the Executive Director and Secretary for AIME. Barbette joined Inventures in 2023 and also provides Executive Director support for Thread Group, Inc. She works closely with the board, ensuring their strategic direction aligns with their mission and goals, and provides support for executive and finance committees. Prior to joining Inventures, Barbette worked as the Business Manager at Webscale Networks, Inc., the leader in cloud automation and management for global e-commerce businesses. Previously she held the position of Director of Education, Training and Communications at Visa International.

Barbette served as the Fundraising Committee Co-Chair of the Scleroderma Foundation NorCal Chapter for 2 ½ years.

Barbette graduated with distinction from Northeastern University with a B.S. degree in Computer Science and a minor in Business Administration.

AIME Past Presidents - Active List



2024 – J. Steven Gardner
2023 – Elizabeth Holm
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 AIME Awards

AIME is proud to recognize the individuals who received the following distinguished awards during the past year.

Honorary Membership

Frederick T. Harnack - AIST

For his distinctive and enduring career in steel and his unwavering commitment to the mission of the AIST Foundation. Under Harnack's leadership, the AIST Foundation initiated new programs in support of workforce development and raised the money necessary for it to grow and prosper. His legacy is well represented within the AIST Foundation today, and his service to industry exemplifies the spirit of AIST and AIME membership.

P. Chris Pistorius - AIST

In recognition of his iron and steel research and his commitment to preparing the steel industry's next generation workforce. As a contributing researcher on hundreds of technical papers and as editor of AIST Transactions, his expertise has contributed significantly to the advancement of iron and steel technology. With his mentorship of 50+ master's students and 30+ Ph.D. candidates, his work epitomizes the ideals of AIST and AIME membership.

William W. Edgerton - SME

For his exceptional leadership to the Society as SME President, UCA Chair, SME Foundation Board Trustee, and as a member of numerous other committees, and in recognition of his professional achievements in the underground construction industry, and his long service as an ASCE program evaluator for civil and construction engineering on behalf of ABET, his work editing an SME publication, and for authoring numerous technical articles on procurement practices.

Ronald Parratt - SME

For his professional achievements and contributions in the field of exploration geology, his exemplary leadership as SME President, dedicated commitment to the excellence and success of the Society, and for his outstanding mentoring of mining's future leaders.

John Killough - SPE

With over five decades of technical leadership, John Killough is a pioneer in reservoir simulation. His influential work on hysteresis is foundational in commercial simulators. He was an early adopter of supercomputing for reservoir modeling, developing one of the first large-scale 3D models of an Alaskan reservoir. His innovations in parallel simulation on PC clusters have set the standard for today's industry-wide simulation practices.

Surya Kalidindi - TMS

For contributions to crystal plasticity models, high-throughput mechanical test protocols, and microstructure-sensitive design of structural materials using artificial intelligence toolsets.

Pradeep Rohatgi - TMS

A recognized world leader in research on solidification processing of metal matrix composites and education of materials professionals, and founder of laboratories for materials research.

Recipients of AIME Awards

Presidential Citation (formerly AIME Distinguished Service Award)

Jennifer L. Miskimins - SPE

For distinguished Presidential leadership, exemplary dedication, and enduring and generous contributions to the success of AIME and its member societies.

Rossiter W. Raymond Memorial Award

Amy McBrayer - SME

Winning Paper - A Review of Current Scheduling and Design Practices in the Powder River Basin, Mining, Metallurgy & Exploration, July 2023

Charles F. Rand Memorial Gold Medal

George W. Luxbacher - SME

For demonstrated technical excellence and tremendous contribution to research that has benefited the safety and success of the mining, chemical, and oil & gas industries.

Ibrahim Al-arnaout - SPE

Ibrahim H. Al-Arnaout, Senior Vice President at Aramco, is a visionary leader who has transformed unconventional resource development through innovative technologies. His leadership has enhanced reserve booking and operational efficiency while promoting environmental responsibility through water conservation and emissions reduction. His influence continues to reshape global best practices in upstream development.

Robert Earll McConnell Award

Daniel P. Connell - SME

For leadership and vision in the development of novel, non-traditional uses for coal, which benefit society and lead the industry to new frontiers.

Environmental Stewardship Distinguished Service Award

Krishna Parameswaran - SME

To recognize his significant contributions to promote and operationalize the concept of sustainability in mining.

Mineral Economics Award

Scott A. Stebbins - SME

In recognition of your numerous contributions to Mineral Economics. Your skill, knowledge, and patience have had a profound impact on the mining industry.

Mineral Industry Education Award

John W. Grubb - SME

In appreciation of John's dedicated efforts in educating the students and young professionals with his wealth of knowledge in the mineral industry, from operation to board rooms and senior management.

James Douglas Gold Medal

Kathleen A. Altman - SME

For her exemplary achievement in non-ferrous metallurgy, especially for the beneficiation of ores, and distinguishing herself as a practitioner in the art and science of mineral beneficiation.

Frank F. Aplan Award

Jack Groppo - SME

For his significant contributions to the development, design and commercialization of processes and process circuits associated with sustainable energy production from coal-based resources.

Erskine Ramsay Medal

Robert P. Kudlawiec - SME

For Your Outstanding Achievements and Dedication to the Coal Mining Industry.

Robert H. Richards Award

Jaisen Kohmuench - SME

For contributions made toward advancing the state-of-the-art in fine and ultrafine particle separation technologies that have been commercially successful and used in processing operations worldwide.

William Lawrence Saunders Gold Medal

C. Kevin McArthur - SME

For his entrepreneurial spirit creating and enhancing shareholder value for multiple mining companies by identifying, developing, and improving precious metal resources and operations.

Robert Peele Memorial Award

Kyle Stafford - SME

For the Paper, "Geochronology and Critical Mineral Potential of Selected Laramide Porphyry and Related Deposits in Southwest New Mexico"

Howard N Eavenson Award

Jacquie Fidler - SME

For her contributions to technologies, practices and environment reporting standards promoting a sustainable coal mining industry that is responsible, productive and relevant.

Daniel C Jackling Award

Ronald L. Parratt - SME

His contributions to the exploration and discovery of significant gold reserves in the State of Nevada are second to none.

Champ Mathewson Award (TMS)

Thomas Mann

Michael Fahrmann

Michael S. Titus

Deformation-Induced Planar Defects in Immm Ni2(Cr, Mo, W) Strengthened HAYNES_ 244_ Superalloy, Metallurgical and Materials Transactions A, May 2023 (Topic area: N/A)

Michael Pagan

Ling Wang

Steven Zinkle

Takahito Ohmura

Sudarsanam S. Babu

Strengthening Effects at Dissimilar Metal Interfaces Created by Ultrasonic Additive Manufacturing, Metallurgical and Materials Transactions A, October 2022 (Topic area: Mechanical Behavior)

Robert Lansing Hardy Award

Alexandra Anderson - TMS

For outstanding contributions in extractive metallurgy, recycling of metals, and metal processing, demonstrating exceptional promise of a successful career.

Benjamin F. Fairless Award

Olga A. Girina - AIST

For her significant contributions to the design and application of new steel grades for the automotive industry, from interstitial-free grades to third-generation advanced high-strength steels. Girina's research leadership has led to successful commercial applications and dramatic improvements in automotive lightweighting and vehicle safety. Thanks to her important work, steel remains the material of choice for safer, more efficient vehicles.

J.E. Johnson Award

Tyamo Okosun - AIST

Hunt-Kelly Outstanding Paper (AIST)

* Partially funded by the AIME Robert W. Hunt Fund

First Place: In-Situ Observation of the Solidification of X70 Steel Using High-Temperature Confocal Scanning Laser Microscope

Katelyn Kiser
Viraj A. Athavale

Laura Bartlett

Ronald O'Malley
Mario Buchely

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

Second Place: Development of a Lean Single-Phase Nanoprecipitate-Strengthened SP590 Sheet Steel With Outstanding Formability: A DP590 Alternative?

Shobhit Bhartiya
Siddhartha Biswas

Chirag Mahimkar

V.S.Y. Injeti
Amar K. De

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

Third Place: Different Approaches to Trace the Source of Nonmetallic Inclusions in Steel

Kathrin Thiele
Sergiu Ilie

Roman Rössler
Christoph Walkner
Thomas C. Meisel

Thomas Prohaska
Susanne K. Michelic

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

Anthony F. Lucas Gold Medal

Eric van Oort - SPE

Dr. Eric van Oort's prolific contributions span over 150 publications and decades of leadership in drilling technology. His research has advanced shale-fluid interaction, drilling automation, cementing, MPD, and geothermal well construction. A former SPE Distinguished Lecturer and recipient of multiple SPE awards, his innovative work continues to shape the future of drilling engineering.

DeGolyer Gold Medal

Tao Yang - SPE

Dr. Tao Yang is recognized for an extraordinary legacy of service to SPE and the global geoscience community. His work through Distinguished Lectures, PetroWiki, and leadership of conferences and publications has driven technical knowledge, cross-disciplinary collaboration, and strengthened the professional fabric of the petroleum engineering industry.

Recipients of Scholarships

Through its scholarship programs, AIME invests in the next generation of leaders. We are pleased to recognize the following scholarship recipients for their accomplishments and promise.

Henry DeWitt Smith Scholarship – 2025

SPE

Bilal Ibrahim Aladaba, University of Louisiana, Lafayette

SME

Ebenezer Cobbinah

AIST

Abigail L. Clark, Montana Technological University

TMS

Hang Yuan

Karthikeyan Hariharan

Benjamin F. Fairless Scholarship – 2025

AIST

Benjamin B. Borchers, Texas A&M University

John S. Marshall Memorial Scholarships – 2025

Ryanna Hines, University of Kentucky

SME Coal & Energy Scholarships – 2025

* Partially funded by the AIME Howard N. Eavenson Fund

Michael Gough, University of Utah

Aaron Standley, University of Kentucky

Jordan Niggemyer, Montana Technological University

James Hoskins, West Virginia University

Jackson Smith, West Virginia University

Christopher Afriyie, West Virginia University

Ali Alejandro Camacho Araujo, University of Utah

Ethan Cottrell, University of Utah

Chase Gleason, Pennsylvania State University

Connor Keddle, West Virginia University

Logan Sanford, South Dakota Mines

Braden Kiesel, West Virginia University

Liam Dwyer, West Virginia University

The Lewis E. and Elizabeth W. Young Undergraduate Scholarships – 2025

* Selected by SME-WAAIME Pennsylvania-West Section

West Virginia University - Mining Engineering

Tanner Clark

Justin Waybright

Christopher Afriyie

Virginia Polytechnic Institute and State University - Mining Engineering

Abigail Kabamba

Jesse Addy

James Frimpong

Benjamin Lawson Odartei

Cemile Dilara Bag

Lexington Smith

University of Pittsburgh - Petroleum Engineering

Alton Chase

Paul Brady

Jacob Pahula

Pennsylvania State University - Mining Engineering

Tuvshinbayar Khosbayar

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

2025	Frederick T. Harnack	AIST	2021	Jitendra Kikani	SPE
2025	P. Chris Pistorius	AIST	2021	George J. Moridis	SPE
2025	William W. Edgerton	SME	2021	Robello Samuel	SPE
2025	Ronald Parratt	SME	2021	Dan J. Thoma	TMS
2025	John Killough	SPE	2021	David McDowell	TMS
2025	Surya Kalidindi	TMS	2020	Glenn Pushis	AIST
2025	Pradeep Rohatgi	TMS	2020	Tayfun Babadagli	SPE
2024	Brian G. Thomas	AIST	2020	A. Daniel Hill	SPE
2024	Kevin L. Zeik	AIST	2020	Ronald L. Hinn	SPE
2024	Ihor A. Kunasz	SME	2020	D. Nathan Meehan	SPE
2024	Thomas J. O'Neil	SME	2020	Hemanta K. Sarma	SPE
2024	Ramona M. Graves	SPE	2020	Mukul M. Sharma	SPE
2024	Mohan Kelkar	SPE	2020	Jun Yao	SPE
2024	Carolyn Hansson	TMS	2019	Wendell Carter	AIST
2023	Jürgen Cappel	AIST	2019	John O. Marsden	SME
2023	Jeremy Jones	AIST	2019	Korukonda Linga Murty	TMS
2023	C. Dale Elifrits	SME	2019	Maria A. Capello	SPE
2023	John G. Mansanti	SME	2019	Anuj Gupta	SPE
2023	Birol Dindoruk	SPE	2019	Franklin M. Orr, Jr.	SPE
2023	Curtis Hays Whitson	SPE	2019	Jeffrey B. Spath	SPE
2023	John E. Allison	TMS	2019	Ganesh C. Thakur	SPE
2023	Patrice Turchi	TMS	2018	Christine Ehlig-Economides	SPE
2022	Rick Bodnar	AIST	2018	Behrooz Fattahi	SPE
2022	Mary B. Korpi	SME	2018	Joyce Holtzclaw	SPE
2022	Olivier Houzé	SPE	2018	C. Susan Howes	SPE
2022	Roland Moreau	SPE	2018	Mridul Kumar	SPE
2022	Elizabeth A. Holm	TMS	2018	Stefan Z. Miska	SPE
2021	John G. Speer	AIST	2018	Steven Hansen	AIST
2021	Terry G. Fedor II	AIST	2018	Thomas J. Russo	AIST
2021	Ronald J. O'Malley	AIST	2018	Subhash Mahajan	TMS
2021	Chenn Q. Zhou	AIST	2018	Tresa Pollock	TMS
2021	Barbara J. Arnold	SME	2017	Dongxiao Zhang	SPE
2021	Timothy D. Arnold	SME	2017	Sidney S. Smith, Sr.	SPE
2021	J. Steven Gardner	SME	2017	Dean S. Oliver	SPE
2021	Mary M. Poulton	SME	2017	Alexander A. Neyin	SPE
2021	Mohammed Y. Al Qahtani	SPE	2017	Robert Gordon Moore	SPE
2021	Thomas Arthur Gouldie	SPE	2017	Anil Kumar	SPE

AIME Honorary Members (continued)

2017	Akhil Datta-Gupta	SPE	2012	Iraj Ershaghi	SPE
2017	William P. Breedlove	AIST	2012	Andrew A. Young	SPE
2017	Andrew S. Harshaw	AIST	2012	David E. Laughlin	TMS
2017	Richard P. Teets Jr.	AIST	2012	Ian Sadler	AIST
2017	Hugh Miller	SME	2011	Yannis C. Yortsos	SPE
2017	Art Schweizer	SME	2011	Egbert U. Imomoh	SPE
2017	Reza Abbascian	TMS	2011	William M. Cobb	SPE
2017	Rohit Trivedi	TMS	2011	Theodore F. Lyon	AIST
2016	Daniel Moos	SPE	2011	Barbara A. Filas	SME
2016	Sunil Koka	SPE	2010	Eve Sprunt	SPE
2016	C. Shah Kabir	SPE	2010	Fikri J. Kuchuk	SPE
2016	Ali Daneshy	SPE	2010	Cesare Colamasi	SPE
2016	James R. Arnold	SME	2010	Ram G. Agarwal	SPE
2016	Siegfried Hecker	TMS	2010	Michael Karmis	SME
2016	Dale Heinz	AIST	2010	Raja V. Ramani	SME
2015	Emmanuel Garland	SPE	2010	Robert G.H. Lee	AIST
2015	J.J. Azar	SPE	2009	Alan W. Cramb	AIST
2015	Syed A. Ali	SPE	2009	James P. Brill	SPE
2015	Hazim H. Abass	SPE	2009	Abbas Firoozabadi	SPE
2015	Bernt S. Aadnøy	SPE	2009	Alain C. Gringarten	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	John P. Hirth	TMS
2013	Turgay Ertekin	SPE	2001	W. John Lee	SPE
2013	Ali R. Al-Jarwan	SPE	2001	Sadad I. Al-Husseini	SPE
2013	Indira Samarasekera	AIST	2000	Dennis E. Gregg	SPE
2013	Bhakta B. Rath	TMS	1998	R. Lyn Arscott	SPE
2013	Nikhil C. Trivedi	SME	1998	John K. Hammes	SME
2012	George W. Luxbacher	SME	1996	Khalid Aziz	SPE

AIME Honorary Members (continued)

1995	James R. Jorden	SPE
1995	Hossein Kazemi	SPE
1992	Alexander McLean	AIST
1990	Michael Prats	SPE
1989	Douglas W. Fuerstenau	SME
1988	Edward E. Runyan	SPE
1973	Harrison H. Schmitt	SME

Legion of Honor - 50 Year Members

Class of 1975

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)

William K. Brown
Jerry S. Bunnell
Richard A. Calvert
Andrew Elksnitis
George A. Fraser

Gerardo L. Giraldo
Daniel F. Havel
Dale E. Heinz
Stewart K. Mehlman
Leonard G. Nelson
Richard Lee Nester

Martin J. Powers
Stan J. Sobota
John E. Thomas
Christian Wojciechowski
J. Michael Zaia

Society for Mining, Metallurgy, and Exploration(SME)

Gary Allan
Paul Anderson
Avner Arzi
Edwin Ashley
Kevin Ashley
John Barber
James Barker
Keith Belingheri
Mark Berggren
Glenn Blachford
Steven Borell
Vito Cammarota
R Carnes
Todd Coleman
Jim Collord
Michael Cramer
Gerald Crawford
Robert Cummings
Gary DuBois
Albert Dudzik

Lance Duncan
William Durning
Christopher Ebert
Barbara Filas
Stephen Gemell
Clark Gilbert
Gerald Grandey
Michael Gross
Ross Grunwald
Bill Hancock
Robert Haney
Kent Hartley
William Henkle
Stephen Hodgson
Gary Holzhausen
James Jarrell
Martha Kahn
Scott Kiscaden
Gary Kordosky
Kurt Kost

Richard Lambert
Richard Lippoth
Hamid Maleki
Francis Martino
Thomas McClain
Phillip Montague
Oscar Moreno
Kenneth Myers
Michael Norred
Richard Parkins
John Parry
Wesley Patrick
Stephen Payne
John Pfahl
Chris Pfalzgraff
Harold Plance
Randy Powell
Thomas Putney
Brian Redmond
Steven Regis

Dana Rogers
David Saegart
Craig Sams
Randolph Scheffel
Mark Schroeder
George Schuler
Vincent Scovazzo
Corliss Smith
Paul Sterk
Collin Stewart
Thomas Sylvester
John Thorsen
Juan Vera
Kevin Wall
William Watters
William Winfield
Edward Wipf
Edward Yopp
Kurt Zachar
Brian Zarker

Legion of Honor - 50 Year Members (continued)

Society of Petroleum Engineers (SPE)

Peter George Aldersley	Sharon O. Flanery	Edward J. Kohler	Peter J. Robinson
Samuel D. Attaya	Joel Aloise Follet	David E. Lancaster	Carlos M. Rodriguez
Charles Emile Aupied	Steve Foyil	James F. Latham Jr.	Gonzalo A. Ruiz
Philip M. Ayer	Michael L. Friend	Dennis D. Longhorn	George C. Rule
Pramod P. Bansal	Kim J. Galjour	Gavin Longmuir	William A. Sargent
Robert D. Barree	Kevin E. Gangluff	Tor Bjornulf Lund	Mark A. Schauer
Ken Baum	Tahar Ghalem	Robert MacAndrew	Philip A. Schenewerk
John R. Baza	David Elwyn Gile	Ronald James Macdonald	Art J. Schroeder Jr.
Steve V. Benediktson	Tor B. S. Gjersvik	Glenn Gordon MacNeill	Donald Keith Sevier Jr.
Nouri A. Berruien	Glenn S. Goss	Herbert L. Magley	Subhash N. Shah
John A. Bettridge	Thomas Arthur Gouldie	Vinayak V. Mahajan	Mohammad N. Shanti
David Warren Bishop	Don Paul Griffin	Robert T. Maranto	Terri J. Sheaffer
John M. Black	Douglas John Grimes	Stephen Arthur Marinello	George E. Shipp
Peter G. Boerma	James W. Hail Jr	Richard C. Martin	Henry W. Shurlds III
John Andrew Bowler III	Gregory H. Hall	Michael H. Mayer	Dean R. Sillerud
Thomas L. Breninger	Clifford W. Hamberlin	T. Stewart McCorkle	James A. Slater
Stanley W. Brown	Robert William Hammons	Rick McGee	Dewey M. Smith
Steven L. Bruington	Michael Clark Hardin	David Lee Meadows	Jeff William Smith
John Burman	Rodney J. Hart	Ronald Paul Meaux	James E. Smitherman III
Alan A. Burzlaff	Irvin M. Harvey	Ravindranath J. Meda	Kartikay S. Sonrexa
Edgar Coleman Carter	Jeffrey J. Harwell	John E. Minton	Adeyinka Soremi
Dennis J. Cartwright	Burton Hering	Margaret A. Mitchell	Michal Spooner
John Cayias	Daniel C. Herndon	Niladri K. Mitra	Kevin Thomas Sullivan
Earl P. Champagne	Samuel A. Hewes	Bruce B. Monroe	Rod Sutherland
Chris Chia-chen Chang	Robert H. Hite	William R. Moore Jr.	George Swietlik
Aaron Cheng	Kenneth J. Hodcroft	Richard Frank Morgan	Thomas J. Tella II
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David Alan Clark	John A. Huston	Naelah A. Mousli	Paul Edward Wages
David P. Coatney	James M. Hutfilz	Robert F. Nash	James Strong Watt Sr.
Charles C. Coats	Joe John Ippolito	Earl Byron Neal	Dennis J. Webb
Ronald Dwight Coggan	Mark Jackson	George E. Newman	Terrance Martin White
John Daniel Collins	Victor F. Jackson	Daopu T. Numbere	Stephen J. Whittaker
John Stephen Combes	Stephen Thomas Jacobs	Geoffrey C. Oldroyd	Timothy Oren Wiemers
Jacques J.C. Courbot	Mark Alan Jacoby	Daniel Ray Olds	Wayne W. Wiese
Sidney G. Cox	Deonarine J. Jaggernaut	Randy J. O'Neal	Allen H. Williford
Jon A. Cronk	Jerry J. James	Franklin M. Orr Jr	Lynn E. Wilson

Legion of Honor - 50 Year Members (continued)

Society of Petroleum Engineers (SPE)

Billy D. Davis	Richard W. James	Wanda June Parker	Jerry L. Windlinger Jr.
Michael Glenn Davis	Charles William Jennings	Stephen C. Peters	Robert D. Winland
Michael Stuart Deacon	Gerald J. Jeram	Brook J. Phifer	Gary R. Wooley
Glenn E. De Witt	Benjamin Johnson	James Elliott Phillips	David A. Wozniak
William John Dunmore	Gary A. Johnson	Steven B. Pontious	Gary E. Wurdeman
Johan Eck-olsen	Keith L. Jones	Mark Lee Prestridge	Eugene J. Voiland
Christine A. Ehlig-	C. Shah Kabir	Guadalupe Ramirez Jr	Shapour Vossoughi
Economides	Ahmed L. Kebaili	Max A. Reese	John P. Yu
Robert W. Evans	Michael N. Kinakin	Joseph Peter Rezendes	Robert L. Zahner
Richard A. Ferris	Steven Patton Knabe	H. Pate Richard	Alvin D. Zier
Abbas Firoozabadi	William H. Knight	Peter N. Rigby	

The Minerals, Metals & Materials Society (TMS)

Hans Bohner	John Laughlin	Joseph Santner
Charlie Chen	Ralph Lestock	James Smialek
Subodh Das	Bruce Lorenz	Hong Yong Sohn
Anthony Deardo	Ian Masterson	Nobuya Takebe
Dennis Howe	Neale Neelameggham	Patrick Taylor
Craig Jensen	Chandra Pande	Hans Warlimont
Peter Kallfelz	John Perepezko	Jeffrey Wiesner
Thomas Kosel	Bernard Racunas	John Wood

AIME Independent Auditor Statement

At the time this annual report was published, the independent audit had not yet been finalized. The auditor's report and audited financial statements will be made available to members and stakeholders upon request once the audit is complete.

AIME Member Societies



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The accomplishments highlighted in this report would not have been possible without the dedication of our members, volunteers, partners, and supporters. Thank you for your continued commitment to AIME and its mission.



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