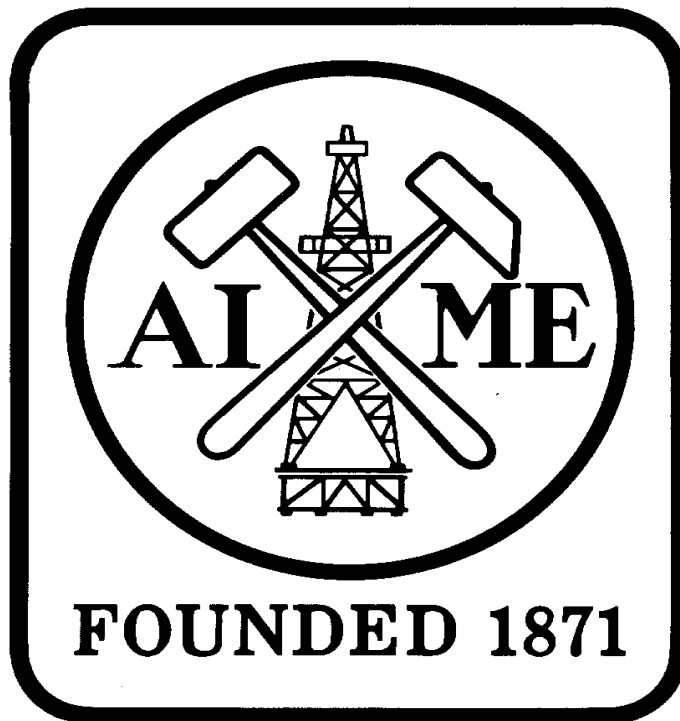


American Institute of Mining, Metallurgical, and Petroleum Engineers, Inc.

2016 ANNUAL REPORT



Member Societies:



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Report of the 2016 – 2017 AIME Leadership



Nikhil Trivedi
2016 President

The Year in Review



Michele Lawrie-Munro
Executive Director

Solidifying New Governance

In 2016, AIME solidified its new governance structure and strategic direction. Along with AIME's Audit and Investment Committees, two new committees, History and Heritage and External Affairs, began operating. The former is focused on AIME awards and recognition, preserving and enhancing legacy, and special projects. The latter works on external awards & recognition, interaction with external entities, and collaborative programs. Representatives on each of AIME's Committees are shown in the following graphic:

AIME Committee Assignments 2016-2017

	= new appointment			
	Audit Committee	Investment Committee	History and Heritage Committee	External Affairs Committee
<i>Rules</i>	<i>President-Elect Chair</i>	<i>Treasurer Chair, President-Elect, One member from each MS Finance Staff</i>	<i>President-Elect Designate Chair</i>	<i>Past President Chair</i>
SPE	Kate Baker (Treasurer)	<u>Kate Baker (Chair)</u> Steve Byrne	<u>Roland Moreau (Chair)</u>	Behrooz Fattahi; Susan Howes
TMS	Hani Henein	Steve Reubi	Hani Henein	<u>Garry Warren (Chair)</u>
SME	Ta Li	Mike Hedges	George Luxbacher	Raja Ramani
AIST	<u>John Speer (Chair)</u>	John Speer; Mark Didiano	George Koenig	Kevin Zeik
			150th Planning Committee	Council of Excellence
SPE			Behrooz Fattahi, Jim Jordan	<u>Behrooz Fattahi (Lead)</u> Khalid Aziz, Ford Brett
TMS			Brajendra Mishra, Garry Warren	Dan Thoma, Bob Schull
SME			<u>George Luxbacher (Lead)</u> Nikhil Trivedi	Ponisseril Somasundaran, Ta Li
AIST			Alan Cramb, Ted Lyon	Kevin Zeik, Ted Lyon
			ETHW Council	ELA Advisory Task Force
SPE			<u>Michele Lawrie-Munro (Liaison)</u>	<u>Susan Howes (Lead); Roland Moreau</u>
TMS				Garry Warren
SME				
AIST				Kevin Zeik
				External Awards Task Force
SPE				
TMS				
SME				<u>Raja Ramani (Chair)</u>
AIST				

AIME Awards and Scholarships



AIME funds the **annual conference of 25 awards, including Honorary Membership, as well as 5 scholarships**. Many of these carry the namesake of icons within the AIME disciplines of mining, metallurgical, and petroleum engineering, the iron and steel industry, and materials science. Member Society staff and committees administer these for the AIME Board and the AIME President presents them during each annual conference. More information can be found at <http://aimhq.org/programs>.

Preserving and Enhancing AIME's Legacy

AIME continues to partner with 6 other groups to enhance the **Engineering and Technology History Wiki** (www.ethw.org). This invaluable resource contains articles, biographies, and interviews of important figures and historical events and innovations in multiple engineering disciplines. Staff recently uploaded [AIME Honorary Member, Robert Lee's oral history](#). There are also lesson plans and an interactive map of landmarks across the globe as well as a timeline of important milestones within particular disciplines over the course of human history. AIME is uploading its own and Member Society archives from its nearly 150 year history – most can be found under the main headings of “Materials” and “Energy”. Users can also create a free account to include their own autobiography or preserve their experiences.



Special History and Heritage Projects



AIME partnered with SME's Pennsylvania Anthracite section to host local and Member Society leadership dedicating a **roadside marker at the site of AIME's founding in Wilkes-Barre, PA** on May 16, 1871. The event included a reception and lunch and many speakers from AIME's groups, as well as local news coverage. Details can be found at <http://aimhq.org/events/gallery/aime-145th-anniversary-and-wyoming-valley-hotel-marker-dedication>.

The AIME Board approved support for a **video capture of the Woman's Auxiliary to the AIME (WAAIME) 100th Anniversary celebration** February 21, 2017 at SME's annual meeting in Denver. In addition, key members, past members, or relatives of past members were interviewed to preserve their memories of this dedicated, dynamic organization.

Beginning 2017, with the help of SME's Librarian, AIME will also produce **historical articles highlighting key members or innovations of the past**. These articles are intended to familiarize especially younger members with AIME's legacy leading up to its 150th anniversary in 2021 (just 4 years away!).



Interaction with External Entities



AIME and Member Society leadership represented the groups at [United Engineering Foundation \(UEF\)](#) Board and the [American Association of Engineering Societies \(AAES\)](#) meetings, fully engaging in the latter on a [Lifelong Learning working group](#). Partnering with the Department of Labor, they developed a general [Engineering Competency Model](#) for use by educators, counselors, employers, employees, and students across the profession.

AIME also attended other joint engineering society events in Washington, DC: the [National Academy of Engineering's](#) Convocation, Engineering Public Policy Symposium hosted by ASME, and [National Engineers Week Family Day outreach](#) as well as the Washington Award ceremony in Chicago, IL last February.



External Awards and Recognition



The AIME family submitted more worthy candidates for joint engineering awards than we have in many years and garnered participation by Member Society representatives on key joint committees. Notably, **Len Harris of SME and TMS was selected to receive** one of the highest honors in the engineering community, the [Hoover Award](#). AIME leadership presented it to him at SME's 2017 annual meeting "for his tireless, generous, and continuous efforts in hostile environments to improve community conditions, starting at mines in Peru and beyond leading to more humane living environments and enhanced futures for thousands of underprivileged children."

AAES also conferred the Kenneth Andrew Roe Award for promoting unity among the engineering societies **on AIME and TMS Past President, Brajendra Mishra**, at their annual banquet April 18, 2016 in Washington, DC. Details can be found at <http://www.aaes.org/awards>.

Finally, to help improve our success in garnering external awards for our members, Past AIME Trustee and Past President of SME, Raja Ramani, assisted AIME in creating an External Awards Matrix to detail the guidelines for nominating worthy candidates for 25 external awards available. Additional detail can be found at the bottom of <http://aimhq.org/programs/-honors-awards>.

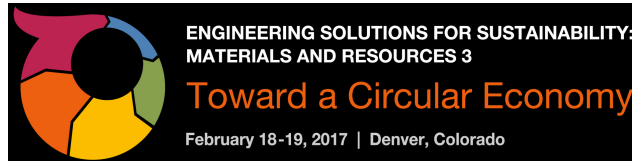


Collaborative Programs



AIME is one of 8 partners in the [Emerging Leaders Alliance \(ELA\) young leaders training](#). 2016 ELA was November 9-12 in Falls Church, VA. Given that the program is nearing its 10th year, AIME solicited SPE leader, Susan Howes, to conduct focus groups with key stakeholders to help improve the program and ensure sustainability. AIST staff manages the program for this important joint leadership initiative.

AIME is one of 7 partners in the Engineering Solutions for Sustainability efforts and provided a \$40,000 collaborative grant to support a [sustainability symposium](#). SME hosted the 3rd iteration February 18-19, 2017 in Denver, CO. This was a follow-on to a 2009 Lausanne workshop hosted by SPE and March 18-19 symposium at TMS' 2015 annual meeting in Orlando, FL.



A new initiative for 2017 is the **AIME Council of Excellence**, chaired by [AIME Past President from SPE, Behrooz Fattahi](#), and including two technical experts from each Member Society. This think tank is looking at potential technologies within the AIME disciplines that could have applicability within other disciplines or vice versa. The goals are to produce content for the Member Society publications, potential research projects for leading academic institutions, and collaborative efforts amongst the UEF Founder Societies and other entities.

Foundational Role

AIME's Investment and Audit Committees work hard to ensure that AIME can support its special initiatives as well as provide tangible monetary support to its Member Societies. Much of this comes from AIME's legacy relationship with the [Offshore Technology Conference](#) and its endowment funds.

AIME also provides **Member Society Direct grants** from any annual surplus. From 2016, AIME just issued \$85,000 checks to each Society. Of any remainder surplus, the Board can opt to distribute **AIME Common Interest Grants**. The Board allocated \$138,000 from end 2016. Half of these dollars will support a **150th anniversary celebration in 2021**. AIME [2012 President from SME, George Luxbacher](#), is chairing the planning committee of this joint Member Society event.

The AIME Board also agreed in March 2016 to become a **Member Society Foundation donor** giving \$1,000 to each group (which it repeated in 2017). It also provided \$1,000 to WAAIME for its 100th Anniversary celebration.

Two handwritten signatures in black ink. The first signature is "Nikhil Trivedi" and the second is "Michele Lawrie-Munro".

Nikhil Trivedi
2016 President

Michele Lawrie-Munro
Executive Director

President's Notes

August 2017

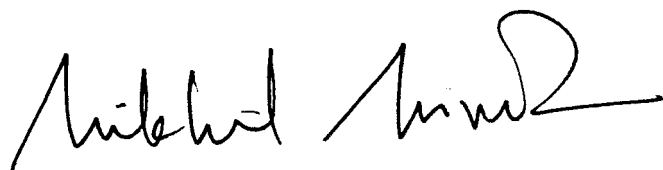
When I was a young foreign student at Mackay School of Mines at University of Nevada in Reno, my professor, Dr. Ross Smith, paid my membership dues as a student member of the Society for Mining, Metallurgy and Exploration (SME), a member society of AIME. I had absolutely no idea what a ride I was in for when I joined SME! But, I know today that it was an amazingly rewarding, fun-filled ride which took me to serving SME as its president in 2010 and subsequently to AIME as its president in 2016. As they say, "....the year goes by fast!" For me, the decades have gone by fast. That generosity shown by Prof. Smith has encouraged me throughout my life to serve my profession to the best of my ability.

For AIME, 2016 was a pivotal year. This was the first full year of financial performance of our new investment advisors. It was also the year when we formally initiated the activities of our Council of Excellence under the leadership of Dr. Behrooz Fattahi, AIME's 2014 president from SPE, and when we successfully conducted the third symposium in AIME's series on Engineering Solutions for Sustainability focusing on a Circular Economy. Needless to say, all of these activities have benefitted from numerous hours of many volunteers from our member societies as well as our partner societies.

My tenure on the AIME board has given me a unique opportunity to interact with a very dedicated group of fellow engineers and scientists with impressive credentials coupled with a keen desire to serve our profession in the best way. I have enjoyed their friendships and their constructive contributions to keep the AIME legacy alive and to keep AIME relevant to the future generation.

I want to take this opportunity to thank Dr. Garry Warren, 2015 AIME president, for his wise counsel throughout the year and for his unwavering commitment to AIME. I owe a deep sense of gratitude to Roland Moreau, AIME President elect from SPE, for taking on numerous assignments over the last year that made my job a lot easier. I have no words to express my gratitude to Michele Lawrie-Munro, AIME Executive Director, for her tireless work to keep all the balls in the air (and drop none).

I welcome Dr. John Speer as 2017 AIME president and pledge him my support. I know that AIME is in excellent hands. I am looking forward to celebrating AIME's 150th anniversary in Philadelphia on May 16, 2021.



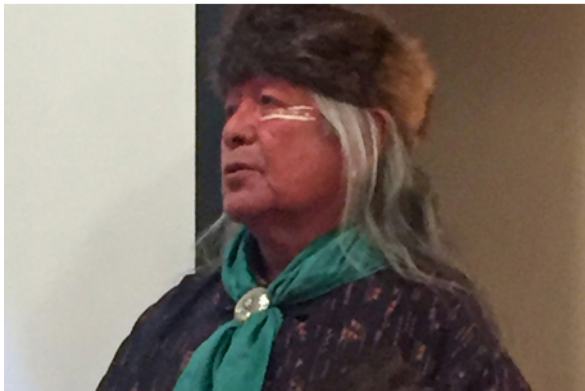
2010 SME President
2016 AIME President

Report of the 145th Annual Meeting

The Hacienda at Hotel Santa Fe, Santa Fe, NM – August 2016

The 145th AIME Annual Board Meeting was held at The Hacienda at Hotel Santa Fe in Santa Fe, NM August 4-6, 2016. The group was welcomed with tri-cultural reception fare at Gerald Peters Art Gallery. On Friday, attendees received a Native American blessing from a Picuris Pueblo Past Chief and heard from past Los Alamos National Laboratory Director (and AIME Honorary Member), Siegfried Hecker. A tour of Los Alamos National Laboratory and dinner at local favorite, Gabriel's, rounded out the day. The official Board meeting was held Saturday, followed by a reception and dinner at Restaurant Martin.

Additional detail on all of the above can be found on AIME's website, www.aimehq.org.



New AIME 2017-2018 Officers and Trustees

President



John Speer
(AIST - Term ends 2019)

John G. Speer is the John Henry Moore Distinguished Professor of Physical Metallurgy at Colorado School of Mines, and Director of the Advanced Steel Processing and Products Research Center (ASPPRC). He received a B.S. degree from Lehigh University in Metallurgy and Materials Engineering, in 1980 and a D.Phil. in Physical Metallurgy from the University of Oxford, UK in 1983. He served in various positions at the Homer Research Laboratories of Bethlehem Steel Corporation from 1983-1997, where he was involved in product research, customer and operations support, and research management. He became a Professor in the Department of Metallurgical and Materials Engineering at Colorado School of Mines in 1997, and has also served as Mines' Associate Vice-President for Research from 2008 until he became Director of ASPPRC in 2013. He has received a number of awards such as the AIST Tadeusz Sendzimir Medal and Hunt-Kelly Award, American Iron and Steel Institute Gold Medal, Institute of Materials Charles Hatchett Award, AWS William Spraragen Memorial Award, SAE/AISI Sydney H. Melbourne Award, Villares Prize of ABM (Brazil), Dean's Excellence Award for Teaching and Research-Colorado School of Mines, and the Henry Bessemer Gold Medal from IOM3 in London. John is also a Distinguished Member of AIST and a Fellow of ASM International.

PRESIDENT-ELECT



Roland Moreau
(SPE - Term ends 2020)

Roland is the current Vice President of Finance for the Society of Petroleum Engineers International (SPEi) Board of Directors. From 2011-2014, he also served as the Health, Safety, Security, Environment & Social Responsibility (HSSE-SR) Technical Director on the SPEi Board. He retired from ExxonMobil in August 2014 with 34 years of service, where he held the position of Safety, Security, Health and Environment (SSH&E) Manager for ExxonMobil's Upstream Research, Gas & Power Marketing, and Upstream Ventures business units. He began his career with Exxon Company, U.S.A. as a Project Engineer at the Bayway Refinery in New Jersey in 1981. Since that time, he has held various technical, supervisory and managerial assignments for Exxon, and then ExxonMobil, in the Upstream production, development, and research organizations. Prior to ExxonMobil, Roland also worked for five years in the naval nuclear industry. Roland received his BS degree in Mechanical Engineering from Worcester Polytechnic Institute in 1975, followed by an MBA in Finance from Fairleigh Dickinson University in 1984. Roland also completed the Certified Financial Planner program at Rice University in 2015.

He remains active on various SPE initiatives in the areas of operational and process safety, and he was on the program committee for the two most recent AIME- sponsored sustainable development workshops. He also serves on the HSE Now editorial advisory board, represents SPE on the Advisory Committee for the Ocean Energy Safety Institute (OESI), and serves as faculty on SPE's sustainable development training course. Roland co-chaired an industry safety data management summit with the U.S. Bureau of Safety and Environmental Engineering, and he is currently consulting with the U.S. Bureau of Transportation Statistics on implementation of a SafeOCS pilot with the objective of demonstrating the value and benefits of an industry-wide safety data management framework.

PRESIDENT-ELECT DESIGNATE



Hani Henein
(TMS - Term ends 2021)

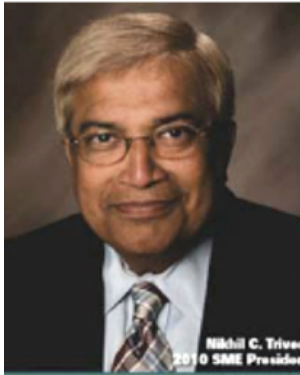
Hani Henein is a Professor at the University of Alberta and Director of the Advanced Materials and Processing Laboratory (AMPL). Henein earned a B.Eng. and an M.Eng. in Metallurgical Engineering (1972 and 1976, respectively) from McGill University. In 1981, he received his Ph.D. from the University of British Columbia and joined the faculty at Carnegie Mellon University in Pittsburgh, Pennsylvania. He joined the University of Alberta in 1989 and is a registered Professional Engineer in the Province of Alberta.

The main thrust of Henein's research at Alberta and as Director of the AMPL is to develop new techniques for improved operation of current processes and to develop new near net shape processing routes. This research entails the understanding of the relationship among processing, structure, and properties and making this understanding accessible on-line to process operators. Some recent areas of interest in research include: particulate mixing and segregation, rapid solidification, zone refining, strengthening microalloyed steels, and WC-Ni composites for wear applications. Henein holds one patent, has published more than 140 papers, edited nine books, and consults in the United States, Canada, and Europe.

His research and professional efforts have received wide recognition, including best paper awards such as the Henry Marion Howe Medal from ASM International, the John Chipman Medal from the Association for Iron & Steel Technology (AIST), and the Best Paper Award from the Metallurgical Society (MetSoc) of the Canadian Institute of Mining, Metallurgy and Petroleum (CIM). He was given a Presidential Citation from the Iron and Steel Society (now AIST) and was the recipient of the Silver Medal of MetSoc (CIM). He has received the prestigious Killam Research Fellowship and is a Fellow of the Canadian Academy of Engineering, of CIM and ASM International.

Henein has held senior leadership positions in AIST and TMS. He has served on the AIST and TMS Board of Directors and is a Past President of TMS (2014).

PAST PRESIDENT



Nikhil Trivedi
(SME - Term ends 2018)

Nikhil Trivedi has 35 years of business experience---in research and development, engineering, operations, administration and general management and consulting. He has served as vice president of research and development and chief technology officer of Pfizer Minerals, Inc. and Minerals Technologies, Inc. from 1987 to 2001. Additionally, between 1994 and 2001 he established and built up a powerful technical group in Finland to support the company's European businesses.

Following his retirement in 2002 from Minerals Technologies Inc., Nikhil established IDEKIN INTERNATIONAL, a firm specializing in developing technology transfer opportunities and providing optimizations for chemical and mineral processes. His clients include corporations in the chemical process industries and mining industry worldwide.

Nikhil graduated with a Bachelor of Science degree in Chemistry from Bombay University and earned a Master of Science in Metallurgical Engineering from University of Nevada. His Ph. D. degree in Chemical Engineering is from University of Minnesota. University of Nevada awarded him Outstanding Alumni Award in 1995.

Nikhil has been an active member of The Society for Mining, Metallurgy and Exploration, Inc. (SME), served twice on its Board of Directors and was elected President of SME in 2010. He has also served on the Board of Directors of Industrial Minerals Association of Europe (1991-2001), Calcium Carbonate Association of Europe (1993-2001) United Way of the Greater Lehigh Valley (2001), and Easton Hospital's Valley Health Foundation (1999-2002). He is an Honorary member of AIME, Distinguished Member of SME and a recipient of AIME's Hal William Hardinge Award.

Other Voting Trustees



Kate Hadley Baker
(SPE - Term ends 2018)

Kate Hadley Baker retired in February, 2010 from BP America. Her career has spanned many areas among the geoscience and engineering disciplines, including geotechnical, drilling, and reservoir engineering; geology; geophysics; and formation evaluation. After earning a BS degree in geology and a PhD in geophysics—both from the Massachusetts Institute of Technology, Baker started her career at Exxon Production Research Company in 1975. She then moved from senior to district geologist positions in Exxon's Offshore Division, then to head of formation evaluation at Exxon Company USA. After holding various managerial roles at BP and its predecessor companies, she became

distinguished advisor and director of new well delivery in BP's Upstream Technology Function, serving also during 2009–10 as Vann Fellow to Princeton University.

Among many professional volunteer positions, she has served on the US Department of Energy (DOE)/Office of Basic Energy Sciences Council on Earth Sciences, and on Geoscience and Science and Technology Center proposal review panels with the US National Science Foundation. She chairs the annual peer review for the US DOE Geothermal Technologies Program Office. Currently, she is secretary of the American Rock Mechanics Association and President of the Society of Petroleum Engineers Foundation. She was the 2004 President of SPE.



Patrice Turchi
(TMS - Term ends 2019)

Patrice Turchi has been at the Lawrence Livermore National Laboratory, in California, since 1986. He is currently a senior scientist in the Materials Science Division of the Physical and Life Sciences Directorate, after having occupied several managerial positions. He received a Diploma of Engineer in Chemistry from the National Superior School of Chemistry of Paris (ENSCP, France) in 1975, earned a Thèse de Docteur Ingénieur in Materials Science in 1980 and, just for fun, a Thèse d'Etat in Condensed Matter Physics in 1984, both from the University of Paris VI (France). He taught at the University of Paris VI for 11 years and spent a sabbatical year at U.C. Berkeley, right before joining LLNL.

His scientific fields of interest span from theoretical condensed matter physics to quantum information science and computational materials science. His research has focused on electronic structure-based approaches to statics, kinetics, and dynamics of alloy phase transformations. In this century, his main focus has been on the basic science of actinide and rare earth-based materials, alloys for fusion energy, rapid solidification, and more broadly the basic science in support of advanced manufacturing. He has authored over 305 publications, including more than 50 LLNL technical reports; 3 book chapters; and over 175 presentations and 190 invited talks (including keynote addresses) at scientific meetings and research institutions. He has also edited 21 technical books and proceedings, and has 2 U.S. patents. He had several awards, from DOE, NATO, STLE, and LLNL. He is the co-founder of the International Alloy Conference (IAC) dedicated to the interdisciplinary study of the properties of complex inorganic solids, and organized 21 symposia, 6 international conferences, 2 NATO-ASI and 1 NATO-ARW. (More information can be obtained on LinkedIn, Research Gate, and Mendeleev). He is a member of APS, MRS, and ASM. He has been active since 1989 in The Minerals, Metals, and Materials Society (TMS) where he served in multiple volunteer activities, and last but not least, he was the 2015 TMS President.



**Ta Li, TREASURER 2016-2017
(SME - Term ends 2020)**

Ta M. Li is a marketing and business development specialist for the energy and minerals industry. He received a B.S. in mining engineering from Columbia University and his 50 year career includes assignments in mining operations and management, journalism, mine engineering, sales and marketing.

During his career, Li worked for Kennecott Copper at its Bingham Canyon copper mine, SME as editor of Mining Engineering magazine, Golder Associates, Behre Dolbear & Co. and Pincock, Allen and Holt. He also worked for Washington Group International, where he was recognized by four consecutive Lion Awards and the Eagle Award for Outstanding Achievements in Marketing and Sales (2003 to 2007).

Li is the author of more than 40 technical articles on open pit and underground mining. He received the Bright Idea Award from the Denver Gold Group, is a Life Member of the American Exploration and Mining Society (AEMA) and a Distinguished Member of SME. He served as President of SME in 2001. In 2010, he received the Lifetime Achievement Award from the Colorado Section of SME. He recently was elected a U.S. representative to the International Organizing Committee of the World Mining Congress, where he serves on its Scientific Advisory Committee to the 24th World Mining Congress to be held in Rio De Janeiro, Brazil in 2016.



**Kevin Zeik
(AIST - Term ends 2021)**

Dr. Kevin L. Zeik graduated from The Pennsylvania State University with a Ph. D. in Metals Science and Engineering in 1991. His graduate work was focused on copper – niobium microcomposites for the hypersonic aerospace program, working as a Researcher at the Ames Laboratory, Iowa State University. Upon graduation, Zeik joined the United States Steel Corporation Research Center in Monroeville, PA as a Senior Research Engineer working on electron microscopy and surface sciences of steel products. In 1994, he moved into the failure analysis group as an Associate Research Consultant, and two years later, he was named Research Manager for the failure analysis, computer modeling and welding groups. Zeik moved to the Materials Technology section in 1999, serving as Research Manager of the group until 2002, when he advanced to Technical Director. In 2004, Kevin was named Director - Process Technology Division where he oversaw efforts to improve process efficiency from mining operations through iron and steelmaking and into finishing and coating processes. He focused on the adaptation of existing processes and development of new processes to meet the demands presented by the production of new high performance steel grades. In that year, the Research and Technology was moved to its current location in Munhall, PA. In August 2008, he was advanced to his current position, General Manager – Research for United States Steel Corporation where he is now responsible for directing all research and development activities associated with flat rolled and tubular steels and steel solutions.

He has been a member of AIST and its predecessor organization, ISS, for over 20 years. He has held the positions of Chair – Mechanical Working Division of ISS, and served on the Board of Directors of AIST, including the transition team from ISS to AIST.



L. Michele Lawrie-Munro
Executive Director

Michele Lawrie-Munro has been the Executive Director of the AIME since 2011 having been promoted from the Associate Executive Director position she held since May 2003. Her recent experience includes managing operations as well as leading multi-disciplinary, collaborative efforts.

In addition to the not-for-profit arena, she has used her management and marketing skills in the public and private sectors for telecommunications and professional services firms. She has been involved in research, leadership development and recognition initiatives and been a liaison on systems requirements. She has previously volunteered in leadership positions with the Boy Scouts of America and the [Hugh O'Brien Youth Foundation](#). She received the Certified Association Executive (CAE) designation in 2014 and has a bachelor's degree from the University of Colorado, as well as extensive corporate leadership training.

AIME Past Presidents (Active List)

2015 – Garry Warren	1987 - Alan Lawley
2014 – Behrooz Fattahi	1986 - Arlen L. Edgar
2013 – Dale Heinz	1985 - Norman T. Mills
2012 - George W. Luxbacher	1983 - Edward E. Runyan
2011 – Brajendra Mishra	1982 - Harold W. Paxton
2010 – DeAnn Craig	
2009 – Ian Sadler	
2008 – Michael Karmis	
2007 – Dan J. Thoma	
2006 – James R. Jordan	
2005 – Alan W. Cramb	
2004 – Robert C. Freas	
2003 – Robert H. Wagoner	
2000 - Robert E. Murray	
1999 - Paul G. Campbell, Jr.	
1998 - Roy H. Koerner	
1997 - Leonard G. Nelson	
1995 - Frank V. Nolfi, Jr.	
1994 - Noel D. Rietman	
1992 - Roshan B. Bhappu	
1989 - Howard N. Hubbard, Jr.	
1988 - Thomas V. Falkie	

Recipients of Awards and Scholarships Presented by AIME in 2016

Honor Title	Recipient	Society	Citation
Honorary Membership	Ali Daneshy	SPE	For his more than 46 years of professional services to the industry, academic institutions and the SPE, making immense contributions to the understanding of the science and physics of rock mechanics and hydraulic fracturing in the oil and gas industry.
Honorary Membership	C. Shah Kabir	SPE	For his unique and seminal contributions to the oil and gas industry in the areas of reservoir engineering, reservoir modeling, production engineering, and reserves and uncertainty analysis; and for serving as a model of volunteerism in his service to SPE.
Honorary Membership	Sunil Kokal	SPE	For his technical leadership as a pioneer in IOR/EOR and for his immense dedication to volunteer service, working tirelessly at the local and international levels in technical and professional leadership roles in SPE.
Honorary Membership	Daniel Moos	SPE	For his pioneering work on hydraulic fracturing and sonic well logging, technical leadership in geophysical reservoir characterization, and many contributions to SPE and the industry.
Honorary Membership	Siegfried Hecker	TMS	For his seminal contributions to plutonium science, nuclear weapons policy, international security, nuclear threat reduction and global future of nuclear energy.
Honorary Membership	James R. Arnold	SME	For outstanding contributions to SME and the Minerals Industry throughout his successful and distinguished career as both a builder of mines and manager of people.
Honorary Membership	John N. Murphy	SME	In recognition of his dedication and perseverance in developing a purpose and mission for the SME Foundation, continuing through his exemplary service as SME President.
Honorary Membership	Dale Heinz	AIST	For his leadership and continued support of AIST through its Technology Committees, Member Chapters and student-oriented programs. His passion and dedication in support of the AIST Foundation and its mission to educate the next generation of steel workers has been an invaluable contribution to the steel industry.
Charles F. Rand Memorial Gold Medal	J. Brett Harvey	SME	For outstanding contributions to the coal mining industry and to coal mining technology development.
Mineral Industry Education Award	Courtney A. Young	SME	For his outstanding leadership and distinguished accomplishments in mineral engineering research and education.
William Lawrence Saunders Gold Medal	Ronald L. Parratt	SME	For his commitment and dedication in discovering a world class gold deposit in Long Canyon and for his effective mentoring of both engineering and geologic professionals. We thank you, Ron!

Erskine Ramsay Medal	John N. Murphy	SME	For his unselfish, tireless contributions to the coal industry, safety and health research, public outreach, professional development, mentoring, and, of course, the Society.
Robert H. Richards Award	Robert Dunne	SME	For pioneering work in the applications of SAG milling, flotation, and gravity concentration for gold and copper recovery.
Hal Williams Hardinge Award	None	SME	
Robert Peele Award	Russell J. Sheets	SME	For the paper "Remediation of Large-scale Slope Failures and Impact on Mine Development at the Gold Quarry Mine", published in Mining Engineering Technical Papers, November, 2014.
Daniel C Jackling Award	William H. Wilkinson	SME	For his tireless efforts and leadership in the field of exploration geology and his endeavors to locate new ore deposits around the globe.
Environmental Stewardship Distinguished Service Award	O. Eugene Kitts	SME	In recognition of 40 years of outstanding environmental stewardship working to preserve and enhance the environment of the Appalachian coal industry.
Frank F. Aplan Award	David G. Osborne	SME	For the development and application of coal preparation technologies, dissemination of knowledge through book publication, and maintaining a key global network of coal industry professionals.
Howard N Eavenson Award	R. Bruce Carlson	SME	For his perseverance for over 30 years to create the standard for software for geologic modeling, mine mapping and mine planning for coal and other bedded deposits.
James Douglas Gold Medal	Daniel W. Kappes	SME	For his numerous contributions to the mining industry and for his generous support of higher education.
AIME Percy Nicholls Award	Yoginder Paul Chugh	SME	The recipient is an engineer with exceptional depth and breadth of knowledge on all aspect of mining engineering, particularly coal mining and utilization of coal. In a career spanning over 50 years, as an educator and consultant, he has made significant contributions to the science and art of mining to enhance the health, safety, productivity and environmental aspects of the industry. Of particular importance to this award are his numerous contributions to the utilization and safe disposal of coal combustion products to advance sustainable coal industry practices.
AIME Presidential Citation (formerly AIME Distinguished Service Award)	George Luxbacher	SME	For your many years of extraordinary and dedicated volunteer work for the Society for Mining, Metallurgy and Exploration, and the American Institute of Mining, Metallurgical and Petroleum Engineers and your passion for bringing AIME's legacy to life.
AIME Mineral Economics Award	David R. Hammond	SME	In recognition of his outstanding professional accomplishments and distinguished contributions to the field of mineral economics.
Champ Mathewson Award	Julia Medvedeva, Dieter Isheim, and Nadezhda Medvedeva	TMS	"An Atom Probe Study of Kappa Carbide Precipitation and the Effect of Silicon Addition" in Metallurgical and Materials Transactions A, May 2014

Robert Lansing Hardy Award	Edouard Asselin	TMS	For early and important contributions to teaching, research and service in extractive metallurgy.
Rossiter W. Raymond Memorial Award	William Joost	TMS	"Reducing Vehicle Weight and Improving U.S. Energy Efficiency Using Integrated Computational Materials Engineering" published online August 24, 2012
Hoover Medal	Leonard Harris	SME	For his tireless, generous, and continuous efforts in hostile environments to improve community conditions, starting at mines in Peru and beyond leading to more humane living environments and enhanced futures for thousands of underprivileged children.
Benjamin F. Fairless Award	George Krauss	AIST	For his national and international leadership in ferrous physical metallurgy education, for his technical accomplishments that have advanced the overall understanding of steel microstructures and properties, and for his vision to develop successful industry-academic collaborations.
J.E. Johnson Award	Bishara "Bob" Sakkab	AIST	No citation is given
Anthony F. Lucas Gold Medal	George Hirasaki	SPE	For pioneering work in reservoir simulation, wettability, improved oil recovery, foam and preeminence in wide range of reservoir engineering topics, and for his mentorship of other talents.
Charles F. Rand Memorial Gold Medal	David A. T. Donohue	SPE	For his years of leadership in talent development in the oil and gas industry, the founding of two successful companies; International Human Resources Development Corporation recognized as a world leader in training for the oil and gas industry, and the Arlington Group for private natural gas development, and for his contributions to the initiation of the SPE competency system.
AIME Robert Earl McConnell Award	Yuri F. Makogon	SPE	For his years of leadership in talent development in the oil and gas industry, the founding of two successful companies; International Human Resources Development Corporation recognized as a world leader in training for the oil and gas industry, and the Arlington Group for private natural gas development, and for his contributions to the initiation of the SPE competency system.
DeGolyer Gold Medal	Behrooz Fattahi	SPE	For his leadership in his community and promotion of the industry and SPE around the world, for 8 years of service on the SPE Board of Directors as a Regional Director, Vice President and President, SPE Foundation President, and as AIME President, as executive editor of SPEREEJ, for championing the importance of soft skills in the industry and for writing over 50 articles and SPE papers.
DeGolyer Gold Medal	C. Susan Howes	SPE	For her more than 30 years of leadership advancing the industry and in SPE specializing in the role of women in professional engineering, for service to SPE as a Regional Director, Gulf Coast Section Chair, and service on numerous SPE committees.

Hunt-Kelly Outstanding Paper (AIST) – 2016

Partially funded by the AIME Robert W. Hunt Fund

First Place: Electric Arc Furnace Process Improvement and the Law of Unintended Consequences

Jason Adair
Chris Davis
Britt Parrish
Zane Voss

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

Second Place: Developing a Third-Generation Advanced High-Strength Steel with Two-Stage TRIP Behavior

Scott T. Pisarik
David C. Van Aken
Krista R. Limmer
Julia E. Medvedeva

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

Third Place: Application of Hot Rolling Lubrication on a Reversing Coil/Plate Mill

Amy Beard
Yu Quilin

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

Henry DeWitt Smith Scholarship – 2016

SPE

Qiaotong Ren, Imperial College

AIST

Saikat Chatterjee, Metallurgy, University of Toronto
April D. Pitts, Metallurgical Engineering, University of Alabama

SME

Chelsea Pomeroy, Colorado School of Mines

TMS

Jessica L. Buckner, University of TX
Janet L. Gbur, Case Western Reserve University

Benjamin F. Fairless Scholarship – 2016

AIST

Zackary P.J. Stewart, Metallurgical Engineering, Montana Tech
Mark Maxxucco, Metallurgical Engineering, South Dakota School of Mines

John S. Marshall Memorial Scholarships – 2016

Shiv Agarwal
Batjargal Altangerel
Shubham Choudhary
Austin Davis
Austin Diericx
Spencer Evans
Kristina Miles
Abigail Pfaff
Vaibhav Singh
Logan Ward

Indian School of Mines
Southern Illinois University Carbondale
Indian School of Mines
Montana Tech
Southern Illinois University Carbondale
University of Utah
South Dakota School of Mines and Technology
Missouri University of Science and Technology
ISM Dhanbad
Montana Tech

SME Coal & Energy Scholarships – 2016-2017

Funded by the AIME Howard N. Eavenson Fund

Aayush Anand
Chelsea Barrett
Joseph Bright
Benjamin Butcher
Nathan Ellgen
Donald Francescon
Andrew Hanneke
Adrian Heieis
Carolyn Kosloski
Gireesh Subramaniam Sankara Raman
Levi Rawlings
Mark Schuchardt
Pritam Sinha
Jenna Spencer
Daniel VanOverbeke

Indian School of Mines
VA Tech
VA Tech
Southern Illinois University
University of Utah
University of Utah
Southern Illinois University
University of British Columbia
Virginia Polytechnic Institute & State University
The Pennsylvania State University
Colorado School of Mines
West Virginia University
Indian School of Mines
Virginia Polytechnic Institute & State University
South Dakota School of Mines and Technology

The Lewis E. and Elizabeth W. Young Undergraduate Scholarships – 2016-2017

Selected by SME-WAAIME Pennsylvania-West Section

Virginia Tech

Samuel Akinyemi
Luke Farinholt

James Heck
Brook Shoemaker
Krisjin Wagner

Eric Warrell
Bethany Witter

AIME Honorary Members (Active List with Year of Election)

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.

Daniel	Moos	2016	SPE	G. Paul	Willhite	2012	SPE
Sunil	Kokal	2016	SPE	Andrew A.	Young	2012	SPE
C. Shah	Kabir	2016	SPE	David E.	Laughlin	2012	TMS
Ali	Daneshy	2016	SPE	Ian	Sadler	2012	AIST
Dale	Heinz	2016	AIST	Yannis C.	Yortsos	2011	SPE
Siegfried	Hecker	2016	TMS	Egbert U.	Imomoh	2011	SPE
James R.	Arnold	2016	SME	William M.	Cobb	2011	SPE
John N.	Murphy	2016	SME	Theodore F.	Lyon	2011	AIST
Emmanuel	Garland	2015	SPE	Barbara A.	Filas	2011	SME
DeAnn	Craig	2015	SPE	Eve	Sprunt	2010	SPE
Thomas A.	Blasingame	2015	SPE	Fikri J.	Kuchuk	2010	SPE
J.J.	Azar	2015	SPE	Valery I.	Graifer	2010	SPE
Syed A.	Ali	2015	SPE	Cesare	Colamasi	2010	SPE
Hazim H.	Abass	2015	SPE	Ram G.	Agarwal	2010	SPE
Bernt S.	Aadnoy	2015	SPE	Michael	Karmis	2010	SME
Randy	Skagen	2015	AIST	Raja V.	Ramani	2010	SME
Thaddeus	Massalski	2015	TMS	Robert G.H.	Lee	2010	AIST
William H.	Wilkinson	2015	SME	Alan W.	Cramb	2009	AIST
Ta	Li	2015	SME	James P.	Brill	2009	SPE
Mary F.	Wheeler	2014	SPE	Abbas	Firoozabadi	2009	SPE
Albert C.	Reynolds, Jr.	2014	SPE	Alain C.	Gringartern	2009	SPE
Thomas K.	Perkins	2014	SPE	Dato' Mohamad Idris	Mansor	2008	SPE
S.M. Farouq	Ali	2014	SPE	David K.	Matlock	2008	AIST
Ali H.	Dogru	2014	SPE	Gary A.	Pope	2008	SPE
Adam T.	Bourgoyne, Jr.	2014	SPE	Kenneth E.	Arnold	2008	SPE
Roderick I. L.	Guthrie	2014	AIST	Robert C.	Freas	2008	SME
William P.	Barker	2014	AIST	Robert H.	Wagoner	2008	TMS
David	Seidman	2014	TMS	Alan	Lawley	2007	TMS
Fred I.	Stalkup	2013	SPE	David R.	Keith	2007	SPE
Giovanni	Paccaloni	2013	SPE	Don W.	Green	2007	SPE
Medhat M.	Kamal	2013	SPE	Richard J.	Fruehan	2007	AIST
Emmanuel O.	Egbogah	2013	SPE	Robert E.	Murray	2007	SME
Kate	Hadley Baker	2013	SPE	Roland N.	Horne	2007	SPE
Turgay	Ertekin	2013	SPE	Roy H.	Koerner	2007	SPE
Ali R.	Al-Jarwan	2013	SPE	Merton C.	Flemings	2006	TMS
Gerald R.	Heffernan	2013	AIST	Roshan Boman	Bhappu	2006	SME
Indira	Samarasekera	2013	AIST	Stephen A.	Holditch	2006	SPE
Bhakta B.	Rath	2013	TMS	Larry W.	Lake	2006	SPE
Nikhil C.	Trivedi	2013	SME	Leonard G.	Nelson	2006	AIST
George W.	Luxbacher	2012	SME	Fernando	Samaniego-Verduzco	2005	SPE
Iraj	Ershaghi	2012	SPE	Donald W.	Peaceman	2004	SPE
L. Kent	Thomas	2012	SPE	Peter D.	Gaffney	2003	SPE

Rajagopal S.	Raghavan	2003	SPE
Jacques	Bosio	2002	SPE
Edgar C.	Capen	2002	SPE
John P.	Hirth	2002	TMS
Sadad I.	Al-Husseini	2001	SPE
W. John	Lee	2001	SPE
Dennis E.	Gregg	2000	SPE
Noel D.	Rietman	1999	SPE
R. Lyn	Arscott	1998	SPE
John K.	Hammes	1998	SME
Necmettin	Mungan	1997	SPE
Khalid	Aziz	1996	SPE
Thomas V.	Falkie	1996	SME
James R.	Jorden	1995	SPE
Hossein	Kazemi	1995	SPE
Orville D.	Gaither	1994	SPE
Charles L.	Bare	1993	SPE
Marvin L.	Katz	1993	SPE
Frank F.	Aplan	1992	SME, TMS
Howard N.	Hubbard, Jr.	1992	AIST
Alexander	McLean	1992	AIST
Harold W.	Paxton	1992	TMS, AIST
G. William	Knepshield	1990	AIST
Michael	Prats	1990	SPE
Arlen L.	Edgar	1989	SPE
Douglas W.	Fuerstenau	1989	SME
Norman T.	Mills	1988	AIST
Edward E.	Runyan	1988	SPE
Ben H.	Caudle	1987	SPE
Lawrence B.	Curtis	1987	SPE
Donald A.	Dahlstrom	1986	SME
Harrison H.	Schmitt	1973	SME

Legion of Honor 50-Year Members – Class of 1966

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.

Society for Mining, Metallurgy, and Exploration (SME)

Richard Addison
Mark Anderson
Gregory Austin
Eric Beinlich
David Beling
Fred Brackebusch
Robert Burnham
Terrence Chatwin
Dennis Clark
Kenneth Clark
William Coughlin
Steven Davis
Andres Duarte V.
Robert Dunn
Milton Gere
Kraig Grubaugh
Glenn Gruber
Timothy Haddon

Denis Hall
William Hirt
Oscar Kempff B.
Danny Kirschman
Gary La Chapelle
Robert Larson
John Lawrence
Mel Lawson
Fred Madden
Kent McGrew
James McGuigan
David Meissner
Paul Metz
David Morris
F. Niggemyer
Robert Phillips
Raja Ramani
James Rasmussen

Jose Rivera
Robert M. Robb
David Roberts
Robert Scharp
Glenn Scott
Albert Seep
Roger Smith
Charles Speltz
Alan Stagg
Jackie Stephens
John Sturgul
J. Sund
Robert Thomas
John Thompson
James Toole
Nikhil Trivedi
William Verrette
Robert Zerga

The Minerals, Metals, and Materials Society (TMS)

Lennart S. Backerud
Gordon A. Bruggeman
Carole A. Daniels
John J. DeBarbadillo, II
Torsten Ericsson
John C. Fenoglio
William O. Gentry
Jose Roberto Guimaraes
William C. Harrigan, Jr.
Stanley M. Howard, PE
Henry C. Johns

Robin L. Jones
Junichi Kaneko
Robert L. Kinney
Donald A. Koss
Richard S. Kunter
Terence G. Langdon
Heiner Lichtenberger
Phillip J. Mackey
Curtis J. McMinn
Ray R. Moskalyk
Taiji Nishizawa
Hiroshi Oikawa

R. David Prengaman
Charles M. Roederer
John A. Shields, Jr.
Subhash C. Singhal
John E. Smugeresky
Gary A. Smyres
Edwin Snape
Anthony Taylor
Jackie L. Tomlinson
Louis F. Toth, Jr.
John H. Weber

Legion of Honor 50-Year Members – Class of 1966 (continued)

Association for Iron and Steel Technology (AIST)

Kelso S. Baker
Edward C. Cool
Robert Creese

Calvin A. Keeney
Carl F. Kowalski
Keith H. Moredock
Gordon R. Oliver

Ronald J. Petroski
Clyde P. Selig
Paul R. Sevenich

Society of Petroleum Engineers (SPE)

Willem J. Abels
John C. Alexander
Kenneth L. Ancell
Gary B. Anderson
Roger D. Atteberry
James L. Baird
Ralph W. Baird
C. A. Bell
Bruce E. Bernard
William B. Boyles
Carroll L. Brewer
Joe M. Bridges
Clinton T. Broughton
J. Samuel Butler
David L. Byers
Gary E. Carlson
George L. Carlson
Rudolph P. Carrere
Arthur D. Carter Jr.
Mark A. Childers
Ronald D. Christie
Ronald K. Clark
Gerald R. Coulter
William W. Daily
William F. Deerhake
James W. Denny III
Dr. Erle C. Donaldson
Paul M. Dougan
Robert E. Dreyling
Ian T. Dunlop
Dr. Iraj Ershaghi
James W. Fairchild
Lindsay G. Few
Thomas E. Fisher

Robert E. Fox
John S. Gardner
Thomas J. Garner
Edward J. Gibbon Jr.
Charles W. Gleeson
Dr. Dennis J. Graue
Jimmie D. Grimes
Jacob M. Heidt
Daniel R. Hensley
Stephen R. Herbel
James L. Hickman
Thomas A. Hillin
James F. Hubbard
Larry O. Hulsey
Ernest L. Johnson Jr.
T. K. Kirk
Charles E. Konen
David E. Korry
Atul Kumar
H. D. Liles
William F. Madison
Conrad E. Maher
Thomas A. Mako
Arvel G. Martin
George E. McDonald
Lindell V. McGuire
Ronald P. Moon
David L. Morrill
Richard K. Mowrer
Douglas F. North
Clair M. Opsal
Maurice M. Patterson
Gene D. Pauling

Ben F. Phillips Jr.
Christopher A. Pratt
David M. Pritchard
Dr. Thomas Strenger Proehl
Frederick W. Rabalais
Dr. Rajagopal S. Raghavan
Charles W. Rogers
John L. Rowland
Raymond Salmon Jr.
Farhad Sarrafian
Lynn W. Schnell
Dr. Myles W. Scoggins Jr.
Bahram Sheikholeslami
A. R. Sinclair
Thomas M. Smith
Timothy J. Smith
Gary W. Spicer
Douglas S. Sprague
F. M. Steckel
Victor D. Stiggins
Billy Taylor
Dr Robert M. Toronyi
Jack E. Vaughn
Edwin L. Wallace
Owen M. Watkins Jr.
Richard A. Weaver
David R. Weekley
Rudolph W. Weibel
Herbert G. Weinstein
John A. Whitney
Allen A. Wicke
Ralph R. Wilkerson
B. A. Wilkinson
Eric R. Wilson

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

Financial Statements

For the Year Ended December 31, 2016

And

Independent Auditors' Report

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

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INDEPENDENT AUDITORS' REPORT

Board of Directors

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

We have audited the accompanying financial statements of American Institute of Mining, Metallurgical, and Petroleum Engineers, Inc. which comprise the statement of financial position as of December 31, 2016, and the related statements of activities, functional expenses and cash flows for the year then ended, and the related notes to the financial statements.

Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

Auditors' Responsibility

Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Opinion

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of American Institute of Mining, Metallurgical, and Petroleum Engineers, Inc. as of December 31, 2016, and the changes in its net assets and its cash flows for the year then ended in accordance with accounting principles generally accepted in the United States of America.

Report on Summarized Comparative Information

We have previously audited American Institute of Mining, Metallurgical, and Petroleum Engineers, Inc.'s 2015 financial statements, and our report dated April 7, 2016 expressed an unmodified opinion on those audited financial statements. In our opinion, the summarized comparative information presented herein as of and for the year ended December 31, 2015, is consistent, in all material respects, with the audited financial statements from which it has been derived.

Stockman Kast Ryan & Co., LLP

April 13, 2017

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

**STATEMENT OF FINANCIAL POSITION
DECEMBER 31, 2016 (with comparative totals for 2015)**

	2016	2015
ASSETS		
CURRENT ASSETS		
Cash and cash equivalents	\$ 201,242	\$ 248,759
Accounts and grants receivable	1,578	4,078
Inventory	4,412	9,163
Prepaid expenses and other assets	<u>48,268</u>	<u>41,542</u>
Total current assets	255,500	303,542
BENEFICIAL INTEREST IN PERPETUAL TRUST	347,222	348,679
INVESTMENTS	10,604,033	9,847,937
PROPERTY AND EQUIPMENT, NET	<u>838</u>	<u> </u>
TOTAL ASSETS	<u>\$ 11,207,593</u>	<u>\$ 10,500,158</u>
 LIABILITIES AND NET ASSETS		
CURRENT LIABILITIES		
Accounts payable and accrued expenses	\$ 44,988	\$ 29,095
Member society grants	<u>340,000</u>	<u> </u>
Total liabilities	<u>384,988</u>	<u>29,095</u>
 NET ASSETS		
Unrestricted:		
Board designated	261,595	201,568
Other unrestricted	6,797,890	6,600,366
Temporarily restricted	2,982,396	2,886,948
Permanently restricted	<u>780,724</u>	<u>782,181</u>
Total net assets	<u>10,822,605</u>	<u>10,471,063</u>
TOTAL LIABILITIES AND NET ASSETS	<u>\$ 11,207,593</u>	<u>\$ 10,500,158</u>

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

STATEMENT OF ACTIVITIES

FOR THE YEAR ENDED DECEMBER 31, 2016 (with comparative totals for 2015)

	2016			Total	2015 Total
	Unrestricted	Temporarily Restricted	Permanently Restricted		
REVENUE					
Investment income (loss), net	\$ 576,212	\$ 201,484		\$ 777,696	\$ (313,383)
Offshore technology conference fees	380,887			380,887	334,579
Royalties	37,417			37,417	41,627
Contributions		15,218		15,218	15,852
Copyrights and other revenue	3,822			3,822	10,630
Change in beneficial interest in perpetual trust			\$ (1,457)	(1,457)	(40,162)
Net assets released from restriction	121,254	(121,254)			
Total	<u>1,119,592</u>	<u>95,448</u>	<u>(1,457)</u>	<u>1,213,583</u>	<u>49,143</u>
EXPENSES					
Program services:					
Grants	344,000			344,000	40,000
Endowment spending	236,048			236,048	221,173
Strategic initiatives	111,949			111,949	136,565
Total program services	691,997	—	—	691,997	397,738
Supporting services:					
General and administrative	170,044			170,044	153,155
Total	<u>862,041</u>	<u>—</u>	<u>—</u>	<u>862,041</u>	<u>550,893</u>
CHANGE IN NET ASSETS	<u>257,551</u>	<u>95,448</u>	<u>(1,457)</u>	<u>351,542</u>	<u>(501,750)</u>
NET ASSETS, Beginning of year	<u>6,801,934</u>	<u>2,886,948</u>	<u>782,181</u>	<u>10,471,063</u>	<u>10,972,813</u>
NET ASSETS, End of Year	<u>\$ 7,059,485</u>	<u>\$ 2,982,396</u>	<u>\$ 780,724</u>	<u>\$ 10,822,605</u>	<u>\$ 10,471,063</u>

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

**STATEMENT OF FUNCTIONAL EXPENSES
FOR THE YEAR ENDED DECEMBER 31, 2016 (with comparative totals for 2015)**

	2016						2015 Total
	Program Services			Total Program Services	Supporting Services		
	Grants	Endowment Spending	Strategic Initiatives		General and Administrative	Total	
Member society grants	\$ 340,000			\$ 340,000		\$ 340,000	
Medals, awards and scholarships	4,000	\$ 223,238	\$ 2,188	229,426	\$ 176	229,602	\$ 252,295
Payroll and employee benefits			1,569	1,569	126,363	127,932	116,680
AIME Board meetings and travel		5,207	58,943	64,150		64,150	89,101
Meetings - external and other		7,472	35,804	43,276	1,385	44,661	44,132
Audit, legal and professional service					25,252	25,252	18,978
Supplies, postage, repairs and maintenance		131	1,635	1,766	13,011	14,777	14,670
Other			11,810	11,810	1,818	13,628	13,452
Insurance					1,620	1,620	1,585
Depreciation					419	419	
TOTAL	\$ 344,000	\$ 236,048	\$ 111,949	\$ 691,997	\$ 170,044	\$ 862,041	
PERCENTAGE	40%	27%	13%	80%	20%	100%	
TOTAL - 2015	\$ 40,000	\$ 221,173	\$ 136,565	\$ 397,738	\$ 153,155		\$ 550,893
PERCENTAGE - 2015	7%	40%	25%	72%	28%		100%

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

STATEMENT OF CASH FLOWS

FOR THE YEAR ENDED DECEMBER 31, 2016 (with comparative totals for 2015)

	2016	2015
OPERATING ACTIVITIES		
Change in net assets	\$ 351,542	\$ (501,750)
Adjustments to reconcile change in net assets to net cash provided by (used in) operating activities:		
Depreciation	419	
Realized and unrealized (gains) losses on investments	(547,414)	481,850
Change in beneficial interest in perpetual trust	1,457	40,162
Changes in operating assets and liabilities:		
Accounts and grants receivable	2,500	4,901
Inventory	4,751	(7,397)
Prepaid expenses and other current assets	(6,726)	(15,368)
Accounts payable	15,893	2,802
Member society grants	340,000	(113,725)
Net cash provided by (used in) operating activities	<u>162,422</u>	<u>(108,525)</u>
INVESTING ACTIVITIES		
Purchases of property and equipment	(1,257)	
Purchases of investments	(6,357,505)	(8,160,673)
Proceeds from sales of investments	<u>6,148,823</u>	<u>8,210,157</u>
Net cash provided by (used in) investing activities	<u>(209,939)</u>	<u>49,484</u>
DECREASE IN CASH AND CASH EQUIVALENTS	(47,517)	(59,041)
CASH AND CASH EQUIVALENTS, Beginning of year	<u>248,759</u>	<u>307,800</u>
CASH AND CASH EQUIVALENTS, End of year	<u>\$ 201,242</u>	<u>\$ 248,759</u>

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

NOTES TO FINANCIAL STATEMENTS

1. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Nature of Operations — Organized in 1871, the American Institute of Mining, Metallurgical, and Petroleum Engineers, Inc. (AIME) is a professional not-for-profit organization exempt from federal income taxes under Section 501(c)(3) of the Internal Revenue Code and is not considered a private foundation.

AIME's mission is to support its member societies. AIME fulfills this mission by:

- Exercising fiscal responsibility
- Distributing funds
- Facilitating interaction with the larger scientific and engineering communities
- Enhancing collaboration among the member societies
- Honoring the legacy and traditions of AIME

AIME's four member societies are the Society for Mining, Metallurgy, and Exploration (SME); The Minerals, Metals & Materials Society (TMS); the Association for Iron & Steel Technology (AIST) and the Society of Petroleum Engineers (SPE). The AIME financial statements do not include the accounts of the four member societies.

The Board of Trustees is made up of an equal number of representatives from each of the member societies.

AIME's significant revenue sources include conference proceeds and investment income. AIME retains 15% of conference proceeds received, and the remaining 85% is distributed to the member societies.

Basis of Presentation —AIME is required to report information regarding its financial position and activities according to three classes of net assets: unrestricted net assets, which represents the expendable resources that are available for operations at management's discretion; temporarily restricted net assets, which represents resources restricted by donors as to purpose or by the passage of time; and permanently restricted net assets, which represents resources whose use by AIME is limited by donor-imposed stipulations that neither expire by passage of time nor can be fulfilled or otherwise removed by actions of AIME.

The accompanying financial statements include certain prior-year summarized comparative information in total. Such information does not include sufficient detail to constitute a presentation in conformity with accounting principles generally accepted in the United States of America. Accordingly, such information should be read in conjunction with AIME's financial statements for the year ended December 31, 2015, from which the summarized information was derived.

Cash and Cash Equivalents — For purposes of the statement of cash flows, AIME considers all highly liquid investments with original maturities of three months or less to be cash equivalents.

Accounts and Grants Receivable — Accounts and grants receivable are stated at the invoice amount. Management provides for probable uncollectible amounts through a provision for bad debts and an adjustment to a valuation allowance based on its assessment of the current status of individual accounts. As of December 31, 2016 and 2015, all accounts and grants receivable are considered to be fully collectible and, accordingly, no allowance for uncollectible accounts is considered necessary.

Inventory — Inventory is valued at estimated cost and consists of minor medals and award items, marketing materials, and office supplies.

Investments — Investments in equity securities having a readily determinable fair value and all debt securities and alternative investments are carried at fair value. Investment return includes dividend, interest and other investment income; realized and unrealized gains and losses on investments carried at fair value; and realized gains and losses on other investments.

Property and Equipment — Acquisitions of property and equipment of \$1,000 or more are capitalized. Donated equipment is recorded at fair market value at the date of the donation. Purchased equipment is recorded at cost. AIME has property and equipment at a cost of \$3,626 with a net book value of \$838 as of December 31, 2016. Depreciation of furniture and equipment is being provided for by the straight-line method over the estimated useful lives of three to seven years.

Member Society Grants — When sufficient funds are available as determined by the Board of Directors, 50% of net income is distributed equally to the member societies, and 20% of net income (capped at \$200,000) is allocated to common interest grants (formerly matching grants or collaborative grants). The latter are for overarching programs (programs conducted by two or more member societies that carry out AIME's purpose) upon approval by the Board of Directors. Beginning in 2012, until AIME's 150th anniversary in 2021, 50% of the common interest grant allocation will be allocated to fund the 150th anniversary.

Revenue Recognition — Contributions received are recorded as unrestricted, temporarily restricted or permanently restricted net assets, depending on the existence or nature of any donor restrictions. When a donor restriction is met, temporarily restricted net assets are reclassified to unrestricted net assets and reported in the statement of activities as net assets released from restrictions. Conference fees are recognized as revenue once related services are performed or events are held. Grant revenue is recognized when the grant requirements or terms have been fulfilled. Other revenues are recognized when earned.

Income Taxes — AIME is exempt from federal income taxes under Section 501(c)(3) of the Internal Revenue Code. AIME believes that it does not have any uncertain tax positions that are material to the financial statements.

AIME's tax returns for 2013 through the current year remain open to examination by the Internal Revenue Service and relevant state authorities.

Use of Estimates — The preparation of financial statements, in conformity with generally accepted accounting principles, requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities, disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. Actual results could differ from those estimates.

Reclassifications — Certain prior year amounts have been reclassified to conform with the current year presentation.

Subsequent Events — AIME has evaluated subsequent events for recognition or disclosure through the date of the Independent Auditors' Report, which is the date the financial statements were available for issuance.

2. CONCENTRATIONS OF RISK

AIME maintains its cash and cash equivalents in bank deposit accounts which, at times, exceed federally insured limits. AIME has not experienced any losses in such accounts.

AIME has investments in exchange traded funds, common stocks, real estate investment trusts, fixed income securities and private equity limited partnerships which it has placed with an investment management company. AIME invests in investment securities which are exposed to various risks such as interest rate, market and credit risks. Due to the level of risk associated with certain investment securities, it is at least reasonably possible that changes in the values of investments will occur in the near term and that such changes could materially affect the recorded amount of investments in AIME's financial statements. AIME's private equity limited partnership investments are recorded at their net asset value as determined by the funds (see Note 4). Actual fair value of the investments upon liquidation could vary significantly from the current estimated fair value.

3. BENEFICIAL INTEREST IN PERPETUAL TRUST

AIME is the sole beneficiary of the Howard N. Eavenson Trust (the Trust), a trust whose principal is to be held in perpetuity. Assets of the Trust are invested and administered by a trustee and distributions are made to AIME. Assets of the Trust consist of cash and cash equivalents and mutual funds. AIME records its interest in the Trust at the fair value of the assets held by the Trust. Fair value of the underlying assets is determined using quoted market prices and pricing services. As of December 31, 2016 and 2015, the beneficial interest in the Trust was \$347,222 and \$348,679, respectively. AIME received \$15,218 and \$15,852 in distributions from the Trust during the years ended December 31, 2016 and 2015, respectively.

4. INVESTMENTS AND FAIR VALUE MEASUREMENTS

AIME is required to use a fair value hierarchy that prioritizes the inputs to valuation techniques used to measure fair value. The hierarchy gives the highest priority to unadjusted quoted prices in active markets for identical assets or liabilities (Level 1 measurements) and the lowest priority to unobservable inputs (Level 3 measurements).

The three levels of the fair value hierarchy are described below:

Level 1: Unadjusted quoted prices in active markets for identical assets or liabilities that AIME has the ability to access.

Level 2: Prices determined using significant other observable inputs. Inputs to the valuation methodology include:

- Quoted prices for similar assets or liabilities in active markets;
- Quoted prices for identical or similar assets or liabilities in inactive markets;
- Inputs other than quoted prices that are observable for the asset or liability;
- Inputs that are derived principally from or corroborated by observable market data by correlation or other means.

If the asset or liability has a specified (contractual) term, the Level 2 input must be observable for substantially the full term of the asset or liability.

Level 3: Prices determined using significant unobservable inputs.

The investment's fair value measurement level within the fair value hierarchy is based on the lowest level of any input that is significant to the fair value measurement. Valuation techniques used need to maximize the use of observable inputs and minimize the use of unobservable inputs. The classifications (Level 1, 2 and 3) are intended to reflect the observability of inputs used in the valuation of investments and are not necessarily an indication of risk or liquidity.

Following is a description of the valuation methodologies used for instruments measured at fair value on a recurring basis and recognized in the accompanying statements of financial position, as well as the general classification of such instruments pursuant to the valuation hierarchy.

Common Stocks, Exchange Traded Funds, Preferred Securities, and Real Estate Investment Trusts — Fair value is determined principally through quoted market prices in active markets.

Corporate Bonds — Price is determined by the asset custodian based on quoted prices for identical or similar assets in active markets.

Private Equity Limited Partnerships — Valued at net asset value of the respective investments as a practical expedient to estimate fair value. This practical expedient would not be used if it is determined to be probable that the investment will be sold for an amount different from the reported net asset value. See below for further information on these investments measured using the net asset value practical expedient.

The preceding methods may produce a fair value calculation that may not be indicative of net realizable value or reflective of future fair values. Furthermore, although AIME believes its valuation methods are appropriate and consistent with other market participants, the use of different methodologies or assumptions to determine the fair value of certain financial instruments could result in a different fair value measurement at the reporting date.

The following tables set forth by level, within the fair value hierarchy, AIME's assets measured on a recurring basis stated at fair value as of December 31:

	Quoted Prices in Active Markets for Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)	Total
2016:				
Corporate bonds		\$ 3,591,194		\$ 3,591,194
Common stocks	\$ 3,459,198			3,459,198
Exchange traded funds	2,485,302			2,485,302
Cash and cash equivalents	208,422			208,422
Real estate investment trust	54,499			54,499
Preferred securities	37,801			37,801
Total	6,245,222	3,591,194	—	9,836,416
Beneficial interest in trust		347,222		347,222
Total in fair value hierarchy	<u>\$ 6,245,222</u>	<u>\$ 3,938,416</u>	<u>\$ —</u>	10,183,638
Investments measured at net asset value				<u>767,617</u>
Total investments				<u>\$ 10,951,255</u>
2015:				
Common stocks	\$ 2,617,485			\$ 2,617,485
Cash and cash equivalents	2,613,682			2,613,682
Exchange traded funds	2,012,774			2,012,774
Corporate bonds		\$ 1,666,498		1,666,498
Preferred securities	76,980			76,980
Real estate investment trust	50,601			50,601
Total	7,371,522	1,666,498	—	9,038,020
Beneficial interest in trust		348,679		348,679
Total in fair value hierarchy	<u>\$ 7,371,522</u>	<u>\$ 2,015,177</u>	<u>\$ —</u>	9,386,699
Investments measured at net asset value				<u>809,917</u>
Total investments				<u>\$ 10,196,616</u>

The availability of observable market data is monitored to assess the appropriate classification of financial instruments within the fair value hierarchy. Changes in economic conditions or valuation techniques may require the transfer of financial instruments from one fair value level to another.

Investments Measured at Net Asset Value — The following summarizes liquidity considerations for investments measured at fair value that calculate net asset value per share as a practical expedient at December 31, 2016:

Investments	Fair Value	Unfunded Commitments	Redemption Frequency	Redemption Period	Term
Private Equity Offshore Fund V Limited	\$ 113,263	\$ 49,995	*	N/A	15 years with three 1-year options beginning in 2005
Private Equity Offshore Fund VI Limited	181,125	38,029	*	N/A	15 years with three 1-year options beginning in 2007
Private Equity Offshore Fund VII Limited	229,924	73,708	*	N/A	15 years with three 1-year options beginning in 2008
Private Equity Offshore Fund VIII Limited	118,596	19,344	*	N/A	15 years with three 1-year options beginning in 2011
Private Equity Offshore Fund IX Limited	<u>124,709</u>	89,024	*	N/A	15 years with three 1-year options beginning in 2012
Total	<u>\$ 767,617</u>				

* Shareholders do not have the right to redeem any shares without the consent of the fund manager.

Investment income (loss) consists of the following for the years ended December 31:

	2016	2015
Net realized and unrealized gains (losses)	\$ 547,414	\$ (481,850)
Dividends and interest	288,764	234,238
Other investment income	<u>106</u>	<u>189</u>
Total	836,284	(247,423)
Investment advisory fees	<u>(58,588)</u>	<u>(65,960)</u>
Total investment income (loss), net	<u>\$ 777,696</u>	<u>\$ (313,383)</u>

5. TRANSACTIONS WITH AFFILIATES

During the year ended December 31, 2016, AIME remitted \$2,496,625 to the member societies. Of this amount, \$2,158,356 were funds received from the Offshore Technology Conference and passed on to the member societies, \$122,531 were reimbursements to SME for payroll and employee benefits expenses, and the remaining \$197,411 was for awards and scholarships. As of December 31, 2016, AIME had a payable to the member societies in the amount of \$340,000.

During the year ended December 31, 2015, AIME remitted \$2,374,200 to the member societies. Of this amount, \$1,895,947 were funds received from the Offshore Technology Conference and passed on to the member societies, \$106,808 were reimbursements to SME for payroll and employee benefits expenses, \$113,725 was for the 2014 member society direct distributions which were paid in 2015, \$160,720 was for awards, scholarships and other various reimbursements, and the remaining \$97,000 was for grants to the member societies.

6. BOARD DESIGNATED NET ASSETS

The Board of Directors has designated net assets for the following purposes at December 31:

	2016	2015
150 th anniversary	\$ 192,595	\$ 120,710
Common interest grants (formerly matching grants or collaborative grants)	<u>69,000</u>	<u>80,858</u>
Total	<u>\$ 261,595</u>	<u>\$ 201,568</u>

7. TEMPORARILY RESTRICTED NET ASSETS

Temporarily restricted net assets have been restricted by donors for special projects to be spent as follows at December 31:

	2016	2015
Medals and awards	\$ 1,160,345	\$ 1,111,227
Specific use	931,645	902,845
Scholarships	861,314	843,878
Publishing articles, papers and awards	<u>29,092</u>	<u>28,998</u>
Total	<u>\$ 2,982,396</u>	<u>\$ 2,886,948</u>

8. ENDOWMENT

AIME's endowment consists of 21 separate funds with donor-restrictions where only the income may be spent for the charitable purposes stipulated in the related trust documents. As required by accounting principles generally accepted in the United States of America (GAAP), net assets associated with endowment funds are classified and reported based on the existence or absence of donor-imposed restrictions.

The State of New York and the State of Colorado have adopted the *Uniform Prudent Management of Institutional Funds Act* (UPMIFA or the Act). The Act provides statutory guidance for management, investment and expenditures of endowment funds held by not-for-profit organizations. AIME has interpreted UPMIFA as requiring the preservation of the fair value of the original gift as of the gift date of the donor-restricted endowment funds absent explicit donor stipulations to the contrary. As a result of this interpretation, AIME classifies as permanently restricted net assets (a) the original value of gifts donated to the permanent endowment, and (b) accumulations to the permanent endowment made in accordance with the direction of the applicable donor gift instrument at the time the accumulation is added to the fund. The remaining portion of the donor-restricted endowment fund that is not classified in permanently restricted net assets is classified as temporarily restricted net assets until those amounts are appropriated for expenditure by AIME in a manner consistent with the standard of prudence prescribed by UPMIFA. In accordance with UPMIFA, AIME considers the following factors in making a determination to appropriate or accumulate donor-restricted endowment funds:

1. The duration and preservation of the endowment fund
2. The purposes of the institution and the endowment fund
3. General economic conditions
4. The possible effect of inflation and deflation
5. The expected total return from investment income and appreciation or depreciation of investments
6. Other resources of the Institution; and
7. The investment policies of the Institution

Changes in endowment net assets for the year ended December 31, 2016 are as follows:

	Unrestricted	Temporarily Restricted	Permanently Restricted	Total
Endowment net assets, January 1, 2016	\$ 143,817	\$ 2,569,109	\$ 782,181	\$ 3,495,107
Investment return:				
Investment income	3,832	72,157		75,989
Net appreciation(depreciation) (realized & unrealized)	<u>6,484</u>	<u>121,897</u>	<u>(1,457)</u>	<u>126,924</u>
Total investment return	<u>10,316</u>	<u>194,054</u>	<u>(1,457)</u>	<u>202,913</u>
Appropriations for expenditures	<u>(3,987)</u>	<u>(116,399)</u>		<u>(120,386)</u>
Endowment net assets, December 31, 2016	<u>\$ 150,146</u>	<u>\$ 2,646,764</u>	<u>\$ 780,724</u>	<u>\$ 3,577,634</u>

Changes in endowment net assets for the year ended December 31, 2015 are as follows:

	Unrestricted	Temporarily Restricted	Permanently Restricted	Total
Endowment net assets, January 1, 2015	\$ 148,794	\$ 2,741,309	\$ 822,343	\$ 3,712,446
Investment return:				
Investment income	3,304	64,757		68,061
Net depreciation (realized & unrealized)	<u>(6,930)</u>	<u>(134,615)</u>	<u>(40,162)</u>	<u>(181,707)</u>
Total investment return	<u>(3,626)</u>	<u>(69,858)</u>	<u>(40,162)</u>	<u>(113,646)</u>
Appropriations for expenditures	<u>(1,351)</u>	<u>(102,342)</u>		<u>(103,693)</u>
Endowment net assets, December 31, 2015	<u>\$ 143,817</u>	<u>\$ 2,569,109</u>	<u>\$ 782,181</u>	<u>\$ 3,495,107</u>

From time to time, the fair value of assets associated with individual donor-restricted endowment funds may fall below the level AIME is required to retain as a fund of perpetual duration pursuant to donor stipulation or UPMIFA. In accordance with GAAP, deficiencies of this nature are reported in unrestricted net assets. There were no such deficiencies as of December 31, 2016 and 2015.

Endowment funds are managed by an investment firm according to the Trustees' investment policy, which calls for maximum total return with acceptable risk. The Trustees' spending policy for endowment funds is incorporated in its operating budget policy.

To satisfy its long-term rate of return objectives, AIME relies on a total return strategy in which investment returns are achieved through both current yield (investment income such as dividends and interest) and capital appreciation (both realized and unrealized). AIME targets a diversified asset allocation that places a greater emphasis on equity-based investments to achieve its long-term return objectives within prudent risk constraints. Equity-based investments include large-cap, small-cap and international equities. AIME also uses fixed income securities and alternative investments to achieve its objectives.

Member Societies



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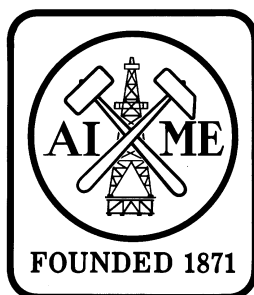
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