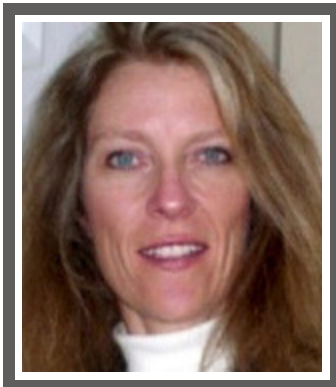


The Year in Review



John Speer
2017 President



Michele Lawrie-Munro
Executive Director

Report of the 2017 – 2018 AIME Leadership

Mission-Driven Governance

AIME is governed by a Board including 2 Trustees from each of its 4 Member Societies and the Executive Director. Most work is done by AIME's four committees: Audit, Investment, History and Heritage, and External Affairs, which are open to other volunteers from AIME's Member Societies as well. We sincerely thank the representatives on each of AIME's Committees shown below for their dedicated service:

AIME Committee Assignments 2017-2018

	= 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	Roland Moreau (Chair)	Roland Moreau; Steve Byrne	Kate Baker	Behrooz Fattahi; Susan Howes
TMS	Patrice Turchi	Steve Reubi	Hani Henein (Chair)	Patrice Turchi; Garry Warren
SME	Ta Li	Ta Li (Chair); Mike Hedges	George Luxbacher	Nikhil Trivedi (Chair) ; Raja Ramani
AIST	Kevin Zeik	Mark Didiano	George Koenig	Kevin Zeik
			150th Planning	Council of Excellence
SPE			Behrooz Fattahi, Jim Jordan	Behrooz Fattahi (Lead) Khalid Aziz, Ford Brett
TMS			Brajendra Mishra, Garry Warren	Dan Thoma, Bob Schull
SME			George Luxbacher (Lead) Nikhil Trivedi	Ponisseril Somasundaran, Ta Li
AIST			Alan Cramb, Ted Lyon	Ted Lyon, Kevin Zeik
			ETHW Council	United Engineering Foundation
SPE				Mark Rubin (through September 2017); Garry Warren
TMS			Michele Lawrie-Munro (Liaison)	
SME				George Luxbacher
AIST				
			Member Society Award Ctes	AAES
SPE			Various	Roland Moreau (EFS)
TMS			Various	Garry Warren (Nominating Committee); Cindy Belt (EFS)
SME			Various	Nikhil Trivedi (Audit Committee); Mark LeVier (Awards Committee); Jessica Kogel (IntAC); Deb Shields and Carol Russell (IntAC and EFS)
AIST			Various	
				Emerging Leaders Alliance
SPE				Michele Lawrie-Munro (Staff Liaison)
TMS				
SME				
AIST				
				Engineering Solutions for Sustainability: Materials and Resources
SPE				Michele Lawrie-Munro (Staff Liaison)
TMS				
SME				
AIST				
				DiscoverE Family Day Outreach
SPE				Michele Lawrie-Munro (Staff Liaison)
TMS				
SME				Mike Kaas and various; NMA staff
AIST				
				Hoover Award
SPE				George Koperna
TMS				Oladele A. Ogunseitan
SME				Ponisseril Somasundaran Tuncel Yegulalp; S.A. "Ravi" Ravishankar, Peter Bethell
AIST				
				Noble Prize
SPE				
TMS				Boyd Davis
SME				
AIST				
				Washington Award
SPE				
TMS				Alan Cramb
SME				
AIST				Dale Heinz

AIME's History and Heritage Committee is focused on AIME awards and recognition, preserving and enhancing legacy, and special projects.

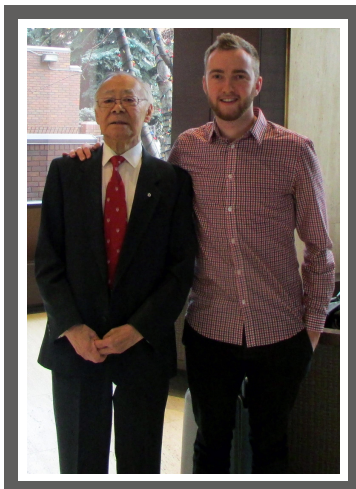
AIME Awards and Scholarships



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 most of these for the AIME Board and the AIME President presents them during annual conferences. In 2017-2018, the History and Heritage Committee is enhancing information about the awards and past recipients on its website, as well as including promotional articles in Member Society journals. More information can be found at <http://aimehq.org/programs/-honors-awards>.

Preserving and Enhancing AIME's Legacy

AIME continues to partner with 7 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. There are also lesson plans and interactive landmarks across the globe and timelines of important milestones within particular disciplines over the course of human history. In 2017, AIME uploaded [Mining and Materials timelines](#), as well as 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's History and Heritage Committee is also **capturing 12 new oral histories of prominent members in 2018** with the help of student members and staff.

Most will be done at TMS and AIST annual conferences. AIME staff will coach interviewers on the process.

AIME also sent congratulatory resolutions to **SPE's Mid-Continent** and **SME's Washington, DC sections**, which celebrated their **100th anniversaries** in 2017 and 2018, respectively. SPE President, Darcy Spady, conferred the well wishes to SPE Mid-Continent at an October 26th event at the Gilcrease Museum in Tulsa, OK.

Finally, the group approved transition of **AIME's Digital Library** to cloud storage and digitization of the full set of Mining and Metallurgy from the 1920s and 1930s. Several new **artifacts** were also acquired from donors.

AIME's External Affairs Committee oversees external awards & recognition, interaction with external entities, and collaborative programs.

External Awards and Recognition

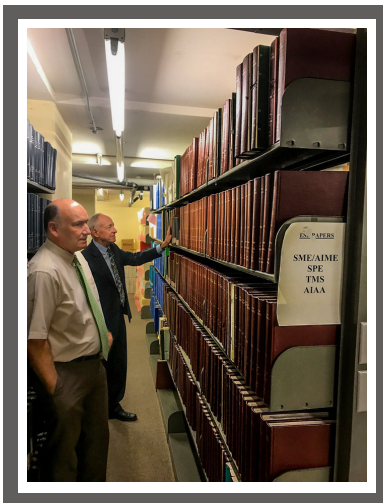


In 2017, SME Past President, Jessica Kogel, received AAES' **Joan Hodges Queneau Palladium Medal**, and long-time member, Mary Poulton, received the **National Engineering Award**. TMS was successful in garnering AAES' **Norm Augustine Award** for Anissa Ramirez. In 2018, the **National Engineering Award** was presented April 23 to TMS Fellow (and AIME Honorary Member), Siegfried Hecker,



for expanding our understanding of plutonium metallurgy, providing leadership in our stewardship of the nuclear stockpile, reducing nuclear proliferation through work with nuclear scientific and engineering communities globally, and cultivating broad understanding of complex technical security issues. Details can be found at <http://www.aaes.org/awards>.

Interaction with External Entities



AIME and Member Society leadership represented the groups at the **United Engineering Foundation (UEF)** Board meeting at **Linda Hall Library in Kansas City, MO**. The group was able to tour the rare books room and visit stacks of AIME and Member Society archives housed there.

AIME and its Member Societies were also represented at other joint engineering society events in Washington, DC: the **National Academy of Engineering's** Convocation, where SME garnered Michael Murphy from Caterpillar to speak on the use of automated vehicles in mining, the Engineering Public Policy Symposium hosted by ASME, and the **American Association of Engineering Societies (AAES)** General Assembly. At the latter, **TMS Past President**

(and AIME Past President), **Brajendra Mishra**, was elected to the AAES Board. AIME Past President from AIST, **Alan Cramb**, also attended the **Washington Award** ceremony in Chicago, IL last February during Engineers' Week for the groups. Finally, AIME partnered with SME's DC section during eWeek at the **DiscoverE's Family Day** outreach.



Collaborative Programs



Emerging Leaders Alliance

AIME is one of 8 partners in the **Emerging Leaders Alliance (ELA) young leaders training**. In 2017, AIME President-Elect from SPE, Roland Moreau, and AIME Past President from SME, Michael Karmis, joined 76 young professionals, including two TMS members, William Hearn and Olivia Underwood, and 2 Bureau of Transportation Standards employees hosted by AIME, at this interactive conference. This year's ELA will be November 4-7, 2018 in Falls Church, VA. AIST staff manages the program for this important joint leadership initiative.

AIME Council of Excellence, chaired by AIME Past President from SPE, Behrooz Fattahi, was established to **spur innovation**. It includes two technical experts from each Member Society and reviews potential technologies within the AIME disciplines that could have applicability within other engineering disciplines or vice versa. [The group's first article](#) can be accessed via their webpage at the link above, where members from the entire engineering and scientific community are encouraged to contribute their Crossover Technology Ideas as well. This group produced one 2018 and two 2019 United Engineering Foundation grant concepts.

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. SME Past President (and AIME Treasurer), Ta Li, chairs AIME's Investment Committee and SPE VP Finance (and AIME President-Elect), Roland Moreau chairs AIME's Audit Committee. Member Society Finance Directors are representative on AIME's Investment Committee.

AIME provides **50% of surplus to its Member Societies to use as they see fit**. From 2017, AIME issued \$155,000 checks to each organization. Of the remainder surplus, **20% is used to support AIME Common Interest Grants**. The Board allocated \$200,000 to this from 2017, half of which will support **150th anniversary celebrations in 2021**. AIME's 150th Committee is working with the Board and Member Society Committees to develop special programs to appropriately celebrate this important milestone.

Finally, the AIME Board again agreed to be a **Member Society Foundation donor** giving \$1,000 to each group in both 2017 and 2018. It also provided \$1,000 to WAAIME in 2017 for its 100th Anniversary celebration.

John Speer
2017 President

Michele Lawrie-Munro
Executive Director

President's Notes

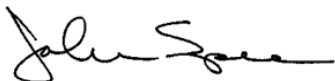
It has been my privilege to serve on the AIME Board for several years, and especially this past year as AIME President. Following recent years of restructuring and a change in our investment advisor, the structure of AIME has been stable and the organization has been left to this year's Board in strong condition following the leadership of 2016-2017 AIME President, Nikhil Trivedi, whose calm demeanor and sage advice greatly benefitted me throughout my tenure. The efforts of AIME's Executive Director, Michele Lawrie-Munro, in organizing and making sure that AIME met each of its milestones along the way has also been greatly appreciated.

The performance of AIME's investment portfolio benefitted from favorable market conditions in 2017 and allowed the institute to distribute funds to support the activities of our four amazing member societies. It was a special privilege for me to participate, along with our Executive Director, in the annual meetings of all of our member societies, to give AIME awards to outstanding recipients and to experience the vibrant life of each society.

AIME's mission is to support its Member Societies, and I thank all of the AIME Trustees and volunteers for their great efforts in working to fulfill this mission. The Executive Directors of the four Member Societies should also be acknowledged for their effective collaborations that allowed AIME to restructure plans for its 150th anniversary celebration in 2021, and their unified efforts that led to the development of a new "joint" safety conference that is currently in the planning stages. The Member Society Executive Directors have also graciously accepted an assignment to provide feedback to AIME related to the satisfaction of their member society with the support that they receive from AIME, and I look forward to seeing the fruits that might be borne with such input.

The values and aspirations I expressed at the onset of my tenure were to 1) execute well on a small number of key priorities (effective stewardship of funds, effective representation within the broader engineering community, and avoidance of mission creep), 2) support AIME's history and traditions by conferring awards and celebrating the success of AIME's primary legacy, our four Member Societies, 3) streamline communications to better serve our Member Societies (sometimes "less is more"), and 4) mitigate financial risk associated with potential multi-year liabilities. We have undoubtedly made progress in all of these areas through collaboration and focused discussions on "hard questions." While we may not always agree on everything, AIME has been well served by the constructive differences of my wise and dedicated colleagues and friends, the Trustees of AIME.

Our work is never finished, and I am confident that the incoming Board and officers, led by President Roland Moreau, will make AIME even better in the upcoming year, as the institute nears its sesquicentennial as an important link in the engineering community. I look forward to seeing these future successes and contributing to them as I might.



2017 AIME President