

The Year in Review



Roland Moreau
2018 President



Michele Lawrie-Munro
Executive Director

Report of the 2018 – 2019 AIME Leadership

Mission-Driven Governance

AIME is governed by a Board including 2 Trustees from each of its 4 Member Society 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 thank the representatives on each of AIME's Committees shown on the following page:

AIMÉ Committee Assignments 2018-2019

= new appointment; red is unconfirmed				
	Audit Committee	Investment Committee	History and Heritage Committee	External Affairs Committee
Rules	<i>President-Elect Chair</i>	<i>Treasurer Chair, President-Elect, MS Finance Staff</i>	<i>President-Elect Designate Chair</i>	<i>Past President Chair</i>
SPE	Jennifer Miskimins	Steve Byrne	Jennifer Miskimins	Susan Howes; Tom Blasingame
TMS	Hani Henein (Chair)	Hani Henein; Steve Reubi	Patrice Turchi	Garry Warren, Patrice Turchi
SME	Ta Li	Brett Wichert; Ta Li (Chair)	George Luxbacher, Chair	Raja Ramani; Ta Li
AIST	Kevin Zeik	Mark Didiano	George Koenig	John Speer (Chair)
AIME	Michele Lawrie-Munro	Michele Lawrie-Munro	Michele Lawrie-Munro	Michele Lawrie-Munro
			ETHW Council	Council of Excellence
SPE				Khalid Aziz, Ford Brett
TMS				Dan Thoma (Chair), Bob Schull
SME				Ponisseril Somasundaran, Ta Li
AIST				Ted Lyon, Kevin Zeik
AIME			Michele Lawrie-Munro	Michele Lawrie-Munro
			Member Society Award Ctes	United Engineering Foundation
SPE			Various	
TMS			Various	Garry Warren (through September 2021)
SME			Various	George Luxbacher (through September 2019)
AIST			Various	
AIME				
				AAES
SPE				Roland Moreau (EFS)
TMS				Brajendra Mishra (Board), Cindy Belt (EFS)
SME				Nikhil Trivedi (Audit Committee); Deb Shields and Carol Russell (EFS)
AIST				
AIME				
				Emerging Leaders Alliance
SPE				James Whitaker
TMS				Debby Hixon
SME				Mona Vandervoort
AIST				Chris McKelvey, Jamie Blick
AIME				Michele Lawrie-Munro
				Engineering Solutions for Sustainability: Materials and Resources 4 Org Cte
SPE				Johana Dunlop, Leigh Ann Runyan
TMS				n/a
SME				Tara Davis
AIST				Kyle Edwards (Chair), Conrad D'Costa, Pat Philbin, Kyle Deliman, Brian Bliss, Ryan Wolfred
AIME				Michele Lawrie-Munro
				Lucy Alexander, Gabriel Gabriel Levesque-Tremblay-AIChE; Mike Sanio, Steve Fisher-ASCE
				DiscoverE Family Day Outreach
SPE				
TMS				
SME				Mike Kaas and other SME-DC Section members; NMA staff
AIST				
AIME				Michele Lawrie-Munro
				Hoover Award
SPE				George Koperna
TMS				Oladele A. Ogunseitan
SME				Ponisseril Somasundaran, Alternates: Tuncel Yegulalp, S.A. "Ravi" Ravishankar, Peter Bethell
AIST				
				Noble Prize
SPE				
TMS				Boyd Davis
SME				
AIST				
				Washington Award
SPE				
TMS				
SME				
AIST				Alan Cramb

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

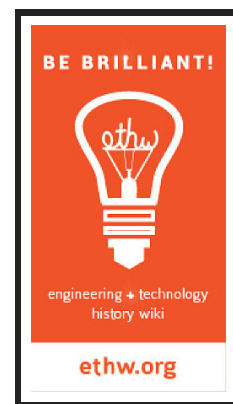
AIME Awards and Scholarships



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 2018, the group began publishing articles for award namesakes 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. AIME has included [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 heading 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 **captured 11 new oral histories of prominent members in 2018** with the help of students, staff, and peers. Most were done at TMS and AIST annual conferences. AIME staff coached participants on the process and ran recording equipment. Uploaded material is accessible at <http://aimehq.org/programs/oralhistories>; new captures will be released every 2 weeks through the end of 2019. Follow AIME on [Facebook](#) or [Twitter](#) to learn about new releases.

AIME also sent congratulatory resolutions to **SME's Washington, DC section**, which celebrated its **100th anniversary** on June 21, 2018, **SME's Upper Peninsula Michigan section**, which celebrated its **100th anniversary** on

September 21, 2018, as well as the **American National Standards Institute (ANSI)**, which celebrated its **100th October 19, 2018** and was founded by AIME and its sister organizations, ASCE, ASME, IEEE, and ASTM.

Finally, the group transitioned **AIME's Digital Library** to the cloud from retiring SME servers. Several **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 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>.

Additionally, **SPE member, David Baldwin, received the 2018 Hoover Award** for over 25 years committing time and skills to The Center, a Houston-based organization (non-profit) dedicated to empowering adults with intellectual and developmental disabilities (I/DD) and for co-founding Pursuit, a capital campaign, which transformed the organization's future and raised \$13.6 million to further its mission.



Interaction with External Entities

AIME and Member Society leadership represented the groups at the United Engineering Foundation (UEF) Board meeting in TMS and AIST’s hometown, Pittsburgh, PA. The group met in the historic Omni William Penn and rode the historic incline up Mount Washington to network and enjoy city views at Monterey Bay Fish Grotto.

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 the group heard from speakers on cyber-security and the resiliency of the U.S. electric power system, and the **American Association of Engineering Societies (AAES)**



General Assembly. TMS and AIME Past President, **Brajendra Mishra**, still serves on the AAES Board for the organization, which is currently going through a dissolution process. Finally, AIME provided support for SME’s DC section and Coal Foundation and National Mining Association staff, who volunteered to **represent the groups during eWeek at the DiscoverE’s Family Day outreach.**

Collaborative Programs



AIME is one of 9 partners in the **Emerging Leaders Alliance (ELA) young leaders training**. In 2018, AIME's Executive Director, Michele Lawrie-Munro, joined partner staff and 72 young professionals, including two AIST members and 2 NIOSH employees (and SME members) hosted by AIME, at this interactive conference. The 2019 ELA will be November 3-6 in Falls Church, VA. **AIST staff manages the program** for this important joint leader-

ship initiative.

Started in 2017, **AIME's Council of Excellence**, chaired by **AIME Past President from TMS, Dan Thoma**, includes 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. **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 ideas as well.



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 TMS Past President (and AIME President-Elect), Hani Henein, 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 year-end surplus, AIME issued \$164,000 checks to each organization in 2018. Of the remainder surplus, **20% is used to support AIME Common Interest Grants**. The Board allocated \$200,000 to this from 2017. Beginning 2014, half of these dollars each year were set aside to support **150th anniversary activities in 2021**. AIME is funding related celebrations at the Member Society annual meetings that year, as well as special projects being produced by SPE and TMS/SME for use at those functions. AIME wishes to thank those who served on its 150th Committee the past several years to assist us in coming up with ideas on how to recognize this important milestone. Finally, the AIME Board again agreed to be a **Member Society Foundation donor** giving \$1,000 to each group in 2018.

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President's Notes

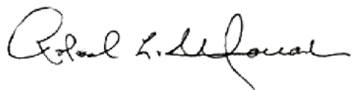
As I look back on my term as AIME 2018 President, it caused me to look back on why I first joined the Board of Trustees and my reasons for doing so. As one of the first engineering societies established in the U.S. in 1871, I've grown to appreciate its rich heritage and legacy. Given my own tie to SPE, the aspect of AIME that attracted me the most was the opportunity to learn more about the industries associated with the other three Member Societies. Given the breadth of technology and innovation represented by these societies, it has been an honor to represent the over 200,000 professionals and students who are part of these organizations. It has also been a privilege and a wonderful learning experience to work alongside my fellow Trustees and AIME's Executive Director.

During the past year, AIME has continued to build on the work of my predecessors. Of note, we progressed efforts to transition the society's home base from New York to Colorado, which we anticipate bringing to closure before the end of 2019. We also changed the governance structure to allow the Member Society Executive Directors to fill one of the two voting Trustee positions per Society as a way to enhance alignment with the Member Society initiatives and programs. As the number of experienced professionals continue to leave the workforce, it becomes all that more important for each of the respective industries to preserve the history and heritage of their disciplines; for this reason, promoting AIME's history and heritage was one of my key focus areas during my tenure as President. Part of this was our continuing commitment to support the Engineering & Technology History Wiki, maintenance of our digital library, and capturing additional oral histories of professionals who have had a significant impact on their respective disciplines.

Over the past year, AIME has maintained its involvement with the Emerging Leaders Alliance, Engineering Solutions for Sustainability, and DiscoverE STEM program. We also continued to promote technical excellence by conferring AIME awards on deserving individuals.

Finally, AIME and its Member Societies are collaborating with three other engineering societies and the National Academies of Science, Engineering, and Medicine to host a safety congress in June 2020 aimed at sharing safety practices and lessons learned across the various industry sectors, regulators, and academia. I would also be remiss to not share with everyone the excitement that is building as AIME prepares to celebrate its 150th birthday in 2021. Stay tuned as each of the Member Societies work on plans to celebrate this milestone as part of each of the annual conferences and exhibitions that year. I hope that everyone will have a chance to join in the festivities.

In closing, attending the annual conferences for each of the four Member Societies has allowed me to gain an appreciation for the diversity and technical excellence of each organization. Aside from the uniqueness of their technical content, I've been impressed by the similarities of challenges among all four, including education, knowledge transfer, membership growth, and outreach. AIME continues to provide a good opportunity to leverage and build upon these similarities and strengths for the next generation of industry professionals. It was been a pleasure to work with my fellow Trustees on achieving the progress I highlighted above, none of which would occur without their dedication and leadership expertise. As AIME continues its work in support of its mission, I look forward to supporting the efforts of the AIME Board under the leadership of 2019 President, Hani Hanein, as he furthers AIME's engagement and contributions to the overall engineering community.



2018 AIME President