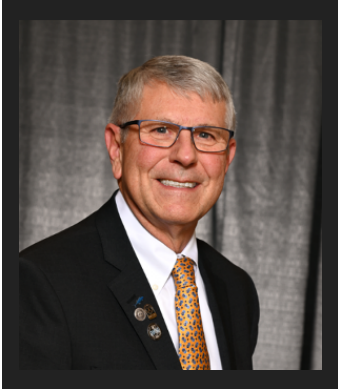


# The Year in Review



George Luxbacher  
2020 President



Michele Lawrie-Munro  
Executive Director

# Report of the 2020 – 2021 AIME Leadership

## Mission-Driven Governance

AIME is governed by a Board including 2 Trustees from each of its 4 Member Societies and AIME's Executive Director. One is a volunteer leader serving in the presidential rotation for a four-year term; the other is the Member Society Executive Director serving continually. Most work is done by AIME's Audit, Investment, and History and Heritage Committees. We thank volunteers, including the Member Society CFOs, serving in these capacities as well as other Member Society representatives on external award committees as shown on the following page:

<b>AIME Committee Assignments 2020-2021 FINAL</b>				
	= new appointment	= unconfirmed/opening		
	<b>Audit Committee</b>	<b>Investment Committee</b>	<b>History and Heritage Committee</b>	<b>External Affairs</b>
<b>Rules</b>	<i>President-Elect Designate, MSEDs</i>	<i>President-Elect/Treasurer Chair, MS Finance Staff</i>	<i>Past President Chair</i>	<i>AIME Board Direct Oversight</i>
<b>SPE</b>	Mark Rubin; Jennifer Miskimins	Steve Byrne	Jennifer Miskimins	
<b>TMS</b>	<u>Jim Robinson (Chair)</u>	Steve Reubi	<u>Hani Henein (Chair)</u>	
<b>SME</b>	Dave Kanagy	Michelle Kroeger	George Luxbacher	
<b>AIST</b>	Ron Ashburn	<u>Kevin Zeik (Chair)</u> ; Mark Didiano	Ron Ashburn	
<b>AIME</b>	Michele Lawrie-Munro	Michele Lawrie-Munro	Michele Lawrie-Munro	
			<b>ETHW Council</b>	<b>United Engineering Foundation</b>
<b>SPE</b>				Roland Moreau (through September 2023)
<b>TMS</b>				Garry Warren (through September 2021)
<b>SME</b>				
<b>AIST</b>				
<b>AIME</b>			Michele Lawrie-Munro, Chair; Toni Griffin (contractor)	
			<b>Member Society Award Ctes</b>	<b>Emerging Leaders Alliance</b>
<b>SPE</b>			Various	James Whitaker
<b>TMS</b>			Various	Debby Hixon
<b>SME</b>			Various	Mona Vandervoort
<b>AIST</b>			Various	Chris McKelvey, Jamie Blick
<b>AIME</b>				Michele Lawrie-Munro
				<b>DiscoverE Family Day Outreach</b>
<b>SME</b>				Mike Kaas and other SME-DC Section members; NMA staff
<b>AIME</b>				Michele Lawrie-Munro
				<b>Hoover Award</b>
<b>SPE</b>				Zhenhua "Ray" Rui
<b>TMS</b>				Oladele A. Ogunseitan
<b>SME</b>				Ponisseril Somasundaran, Alternates: Tuncel Yegulalp, S.A. "Ravi" Ravishankar, Vacant
				<b>Noble Prize</b>
<b>TMS</b>				Bob Hyers
				<b>Washington Award</b>
<b>SPE</b>				
<b>TMS</b>				
<b>SME</b>				
<b>AIST</b>				
				<b>National Inventors Hall of Fame</b>
<b>SPE</b>				Carlos Torres-Verdin, UT Austin

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

## AIME Awards and Scholarships



AIAIME funds the **annual conferring 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 the vast majority of these for the AIME Board. The AIME President presents them during annual conferences. Additionally, Member Society members are eligible for 25 other joint engineering society awards. From 2019-2021, the group published articles for award namesakes in Member Society journals. More information can be found at <https://aimehq.org/what-we-do/awards>.

## 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](http://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 150-year history – most can be found under the main heading of “Materials” and “Energy”. Members 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 oral histories of prominent members in 2018, 12 in 2019, and 7 in 2020** with the help of students, staff, and peers. Most were done at Member Society annual conferences, with a first remote capture via Zoom in December 2020 due to the COVID-19 pandemic. AIME staff coached participants on the process and ran recording equipment, and prepared transcripts and

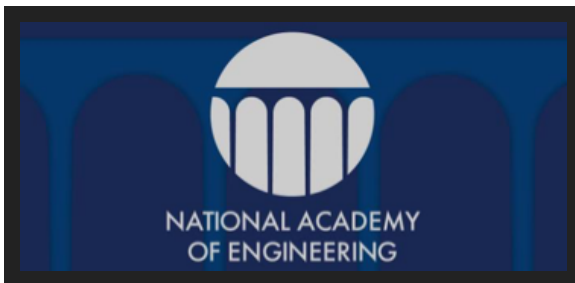
edited videos. Uploaded material is accessible at the link above; new releases are promoted on AIME's [Facebook](#), [Twitter](#), and [Linked In](#) accounts.

AIME also **recognizes important milestones with congratulatory resolutions** for section anniversaries and memorial resolutions for AIME Past President and Honorary Member passings. Finally, AIME adopted a new logo and pins, had a kiosk at Member Society annual conferences to promote its legacy work, beginning February 2020 leading up to its **150th anniversary this past May (and beyond, due to the pandemic)**.

## Other Mission-Related Activity

### Interaction with External Entities

AIME and Member Society leadership represent the groups at the [United Engineering Foundation \(UEF\)](#) Board meeting each fall (held virtually for the first time in 2020 due to the pandemic). UEF gives over \$800,000 in grants annually to deserving 501(c)3 organizations which advance engineering. [AIME representatives on the UEF Board](#) are TMS and AIME 2015 President, Garry Warren and SPE VP-Finance and AIME 2018 President, Roland Moreau.



AIME and its Member Societies were also represented at other joint engineering society events including the first virtual [National Academy of Engineering's](#) Convocation, where the group heard remotely from a distinguished panel on Complex Unifiable Systems. Due to the pandemic, the annual **ASME-led Public Policy Symposium** on Capitol Hill was cancelled in 2020 and 2021.

### Collaborative Programs

AIME is one of 9 partners in the [Emerging Leaders Alliance \(ELA\) young leaders training](#). The September 2020 in-person conference was cancelled due to the pandemic. But, staff pivoted to provide a mix of live online and pre-recorded content for over **150 participants from 27 countries via AIME's Zoom platform during an "Emerging Leaders**



**Week"** to expose young professionals to the exceptional talent and content the program provides. The groups look forward to hosting 70 attendees in person in Pittsburgh September 2021. AIST staff administers this important leadership initiative for the groups.



AIME is also backstopping the new Member Society and Founder Society [Congress on Safety in Engineering and Industry 2021](#) to be held November 1-3 in Fort Worth, TX (moved from its original June 2020 date due to the pandemic). The event's objective is to provide an opportunity for science, engineering and industry sectors to discuss safety management successes and challenges within their operations, provide networking opportunities to share experiences, case studies and best practices, and seek areas for collaboration on safety initiatives. The 2 ½ day conference will include panels, breakouts, discussion and plenary sessions with attendees from a broad cross-section of subject matter experts from industry, regulatory organizations, and academic

institutions. Sponsored training courses from AIChE and SPE will also be scheduled in conjunction with the conference. In addition to hosting a related exhibit, the groups have received funding from the United Engineering Foundation, the McElhattan Foundation, and the National Academy of Sciences to support the effort. [AIME Past President and SPE Past VP, Roland Moreau](#), is leading the organizing committee.

## Foundational Role

**AIME's Investment and Audit Committees** work hard to ensure that AIME can support its initiatives as well as provide tangible monetary support to its Member Societies. AIME President-Elect from AIST, [Kevin Zeik](#), chaired the former and TMS Executive Director, [Jim Robinson](#), chaired the latter.

For many years, AIME has provided **a portion of surpluses to its Member Societies to use as they see fit**. The AIME Board voted in December 2019 to stabilize these distributions, providing \$50,000 per year for the next 5 years to each Member Society. During the pandemic year, AIME provided the initial distribution for use as the groups see fit. In December 2020, the Board voted to decide on an ad hoc basis going forward how much and how often to distribute funds.

Of the remainder AIME surplus, **10% had been allocated to AIME 150th anniversary activities**. AIME is funding celebrations at the Member Society annual meetings (which **began with SPE ATCE October 26-29, 2020**), as well as a [150th video produced by SPE](#) and [history walk/eBooklet by TMS/SME](#). Due to the pandemic, those celebrations are slated to continue into 2022. The AIME Board has also been a **Member Society Foundation donor** giving \$1,000 to each group annually from 2016-2020.



George Luxbacher  
2020 President



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## President's Notes

It has been my honor to have served as the President of the Institute during its 150th year. When twenty-three (23) individuals of very diverse backgrounds assembled in Wilke-Barre, Pennsylvania on May 16th, 1871 to form the proposed American Institute of Mining Engineers, little did they know that their legacy would live on in what ultimately became the American Institute of Mining, Metallurgical, and Petroleum Engineers, as well as four Member Societies representing an international membership. The founding “two great objectives” in the meeting announcement were 1) the more economical production of the useful minerals and metals; and 2) the greater safety and welfare of those employed in these industries. These are open-ended objectives benefiting society at large as well as our industries, and there is no doubt that AIME and its four Member Societies all continue to strive toward these commendable goals. With foresight, sustainability was a major topic of that initial meeting, as the Institute's first technical committee was formed addressing Waste in Coal Mining. Two of the five papers at that first meeting related to mine ventilation – critical to mineworker health and safety. That continued at the second 1871 Bethlehem meeting, with papers on mine ventilation and ethics. These activities demonstrated our early relevance in issues that AIME (and now its Member Societies) continue to lead in.

As we started planning for the Institute's sesquicentennial celebration several years ago, we had hopes for a year-long celebration at the Member Society annual meetings. Unfortunately, the long shadow of COVID continued to impact planning - SME and TMS held their annual meetings virtually, SPE in a hybrid format and only AIST was able to come together in person. While SME, TMS, and SPE were able to highlight this occasion through recognitions and talks, only AIST was able to have a champagne toast in celebration; the other Societies plan that for 2022!

AIME was able to participate in an unveiling of an update to the 125th anniversary plaque in the city square in Wilkes-Barre on the date of our 150th anniversary, May 16th, 2021, hosted by the Mayor Brown; Wilkes-Barre was also celebrating the sesquicentennial of their city charter, established in the same year as the Institute's founding. The unveiling was followed by a well-attended luncheon hosted by the SME Pennsylvania Anthracite section and included historical talks, including a luncheon keynote “From the Early Days to the Future for AIME and SME” I was honored to present; a recording is available on the AIME website.

Having been the President of the Institute previously in 2012, I took advantage of this term to prioritize and complete a legal review of our endowments I had started back then, with the goals to assure that we are properly honoring donor intent and adequately acknowledging those individuals for which the funds have been named. Our endowments are categorized as Awards, Medals, and Plaques (18 funds), Scholarships (3 funds), Specific Use (9 funds), and General Use (8 funds). The pandemic has brought unanticipated demands on both the Institute and its Member Societies and this review provides the foundation for these endowments to have maximum impacts going forward. As an example, AIME provided \$250,000 per Member Society, \$1 million in total, to offset impacts of the pandemic during this stressful year. We have initiated a review utilizing the finance staff from the Member Societies to determine an appropriate level of support going forward that provides for the continuity of the Institute.

## President's Notes

This has been the first full year with the Executive Directors of the Member Societies serving on the Institute's Board of Trustees. This provided an opportunity to take advantage of their collective experience in association management, as well as the fields encompassed by the Institute. Consequently, this group has served on numerous committees to support (and educate) the volunteer trustees and better position the Institute for the next 50 years.

In short, due to the dedication of its volunteers, Executive Director and Member Societies, AIME has had a productive year in celebration of its sesquicentennial. I am excited about returning to the Institute's second meeting site, Lehigh University in Bethlehem, PA, on October 2-4 for the 150th Board of Trustees meeting, our fourth meeting there and the first since 1906. Our meeting will include historical talks presented by esteemed colleagues from our Member Societies and I am honored to present the keynote at the Gala Dinner, building on the presentations I started in 2012 and have continued through columns in SME's Mining Engineering throughout 2021.

I've been honored to have been the first individual to have a second term as AIME President since David Brunton (the inventor of the Brunton Pocket Transit) in 1909-10; I appreciate the confidence that the SME Board placed in me when they elected me for that second term and trust I have met their expectations. My familiarity with AIME enabled significant progress in several areas and facilitated my guidance to those in the current rotation who will come after me. In 2012 I passed my Presidency to Dale Heinz of AIST; this year that transfer of responsibility will go to Kevin Zeik, also of AIST, and I feel equally confident that the Institute is well positioned through his leadership to continue its service to the Member Societies and our related industries.

Happy 150th AIME!!



**2020 AIME President**