



**FORGING
AHEAD IN A
CHALLENGING
YEAR**

2020

**TMS ANNUAL
REPORT**

TMS

The Minerals, Metals & Materials Society



A LETTER FROM TMS LEADERSHIP

Dear TMS Members,

We can probably all agree that 2020 was a challenging year! For our TMS community, which values the personal connections forged at in-person events and collaboration among members, the primary challenge was this: How do we keep the profession—and the science—moving forward when we can't come together?

We were fortunate that our biggest event, the TMS 2020 Annual Meeting & Exhibition (TMS2020) in San Diego, California, was held early in the year, February 23–27. More than 4,600 scientists, engineers, and students from around the world attended TMS2020, making it the best-attended annual meeting in TMS history—and also the last in-person event that TMS would hold for the remainder of the year.

After our safe harbor of San Diego, TMS and our members had to get more creative to find ways to keep our community working and learning together, even as a global pandemic kept us physically apart. By April, TMS had revamped its webinar archive to make the contents available to all members free of charge and started offering new webinars on technical and professional topics (also free to members). Next, we launched the TMS COVID-19 Materials Needs Exchange to connect TMS members and their employers with organizations on the front lines of the COVID-19 pandemic, offering materials and manufacturing assistance, resources, and expertise.

As the year progressed, we virtualized large, in-person events, like MS&T, as well as smaller educational events, like our new Learning Pathways course. We continued to publish high-quality resources like our journals and accelerator studies, and we shifted our technical and functional committee meetings to virtual gatherings, allowing members to participate from any part of the world.

Not all of the challenges in 2020 were related to the pandemic. Social justice issues in the United States also came to the forefront of our attention. In collaboration with our Public & Government Affairs Committee and Diversity, Equity, and Inclusion Committee, TMS developed a statement to the membership decrying all forms of racism and discrimination. We pledged to add social justice for black Americans and underrepresented groups to our advocacy position when meeting federal officials and elected representatives. Looking internally, we also undertook to identify where biases might exist within TMS practices and work to eliminate them. These efforts will be ongoing well beyond 2020.

While it was a challenging year, TMS met those challenges with creativity and continued to provide valuable services to its members. What follows is a sampling of our activities in 2020, which show how our community found ways to come together, even as we had to stay apart.



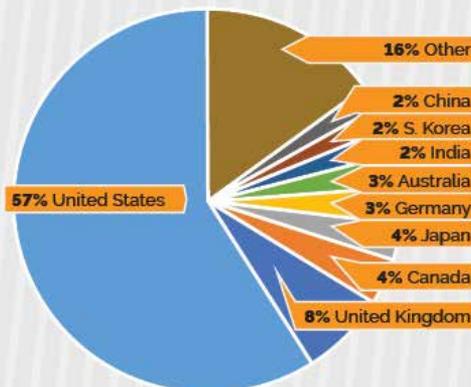
Thomas P. Battle
Thomas Battle
2020 TMS President



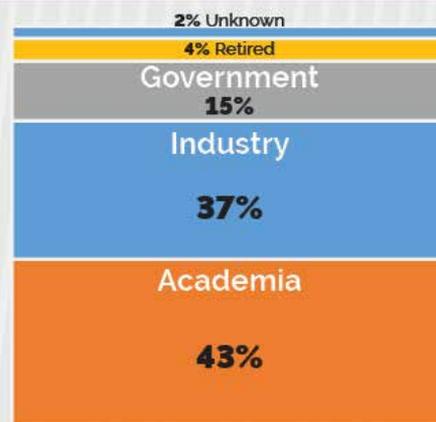
James J. Robinson
James J. Robinson
TMS Executive Director

WHO WE ARE

Where Our Members Live



Where Our Members Work *



Our Membership Totals



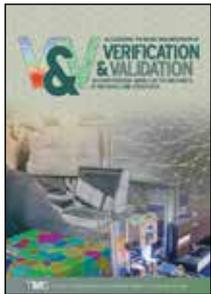
*Percentages may not add up to 100% due to rounding.

2020 JOURNAL PERFORMANCE

By a number of measures, 2020 was a successful year for all six TMS journals: *Integrating Materials and Manufacturing Innovation (IMMI)*, *JOM*, *Journal of Electronic Materials (JEM)*, *Journal of Sustainable Metallurgy (JSM)*, *Metallurgical and Materials Transactions A (MMTA)*, and *Metallurgical and Materials Transactions B (MMTB)*. The chart below provides an overview of key metrics for each of these journals. For a more complete look at TMS journal performance for the year, see the September 2021 issue of *JOM*, which includes our 2020 rankings in Clarivate Analytics' subject categories and provides a look at impact factors over time.

Key Metrics	IMMI	JOM	JEM	JSM	MMTA	MMTB
2020 Impact Factor	3.404	2.471	1.938	2.347	2.556	2.47
Five-Year Impact Factor	4.423	2.988	1.746	3.428	2.602	2.57
Total Citations 2020	674	13,389	14,352	839	34,499	11,572
Total Downloads 2020	71,854	716,940	290,293	115,924	1,026,350	421,857

NEW TMS STUDY



Accelerating the Broad Implementation of Verification & Validation in Computational Models of the Mechanics of Materials and Structures

Organized by TMS on behalf of the National Science Foundation, this science and technology accelerator study report was published in October 2020 and is now available for free download at www.tms.org/Studies.

2020 MEETINGS, EVENTS, AND WEBINARS

While a number of events had to be canceled or postponed in 2020, the following events were held either in person (TMS2020) or virtually (all other events).



22 WEBINARS

DID YOU KNOW?

TMS presented and offered 22 total live webinars free to TMS members in 2020.

TMS WEBINARS

www.tms.org/WebinarLibrary





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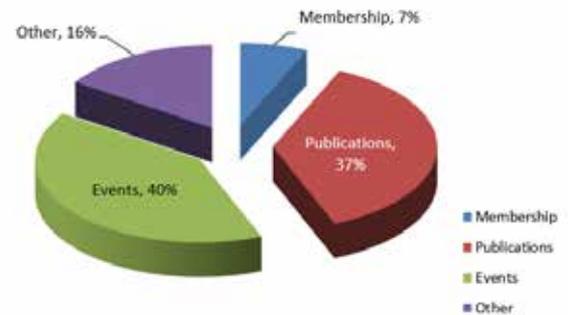
Eric Nyberg
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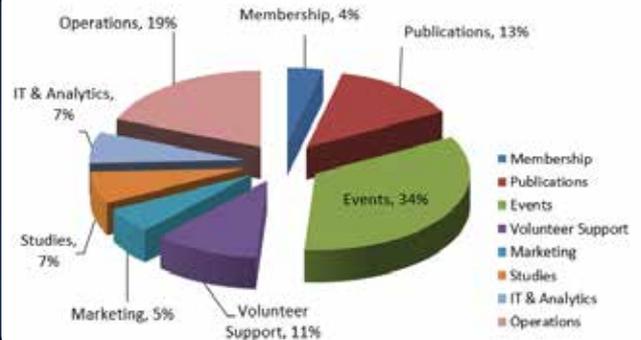
Daniel Miracle
Structural Materials
Division

2020 FINANCIAL REVIEW

2020 Operating Revenues by Program Area



2020 Operating Expenses by Program Area



Summary of Operations Revenues and Expenses

REVENUE	% Total	
Events	40%	\$3,029,440
Publications	37%	\$2,787,499
Membership	7%	\$497,488
Other	16%	\$1,172,914
TOTAL REVENUES		\$7,487,341

EXPENSES

Events	34%	\$2,479,317
Publications	13%	\$971,790
Membership	4%	\$273,382
Volunteer Support	11%	\$796,148
Studies	7%	\$496,746
IT & Analytics	7%	\$485,881
Marketing	5%	\$393,139
Operations	19%	\$1,386,741
TOTAL EXPENSES		\$7,283,144

