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TMS MEMBER NEWS

JOM THE MAGAZINE

Share the Good News!

Contact Lynne Robinson, Department Head, Marketing and Communications, at lrobinson@tms.org. to share your professional accomplishments. Please note that only news submitted by current TMS members will be considered.

TMS Foundation Expands Family Care Grants, Young Leader Awards

Two popular TMS Foundation-funded programs will receive a boost over the next two years, thanks to the Foundation's generous donors. The TMS Foundation Board of Trustees recently approved an expansion to the following programs in 2023 and 2024:

Family Care Grant Program: Designed to help individuals who are incurring extra family care expenses as a result of attending the TMS Annual Meeting & Exhibition, these grants assist attendees with expenses related to childcare, eldercare, care of a family member with disabilities, or personal assistance needed at the meeting due to a disability. Beginning with the TMS 2023 Annual Meeting & Exhibition (TMS2023), the TMS Foundation will expand the program to fund a total of 30 grants per year (up from 20 grants currently). Grants of up to $500 per household are available to registered meeting attendees. Learn how to apply for a grant for TMS2023 at **www.tms.org/TMS2023**.

Young Leaders Professional Development Award: For more than 25 years, the TMS Young Leaders Professional Development Award has helped early career professionals develop valuable professional skills and connections. Currently, two individuals are selected from each of the five TMS technical divisions to receive a development award each year. Beginning with the 2024 awards cycle, this number will expand to three individuals from each technical division, for a total of 15 early career professionals benefitting from this program each year. Applications for the 2024 TMS Young Leaders Professional Development awards are due August 15, 2023. Visit **awards.tms.org** for details on how to apply.

Doubling the number of available awards offered by these two programs has been the focus of the TMS Foundation's fundraising efforts since 2021. This initial expansion marks the halfway point to these goals. A third goal is to re-establish the TMS Presidential Scholarship. To find out more about the TMS Foundation or to make an online contribution, visit **www.TMSFoundation.org.**

TMS2024 Symposium Proposals Due January 31

Beginning with the TMS 2024 Annual Meeting & Exhibition (TMS2024), the TMS Program Committee has developed a new timeline for proposing TMS Annual Meeting symposia. Symposium proposals will now be due January 31 of the preceding year—approximately two months earlier than previous years' deadlines. For TMS2024, the following timeline has been established:

- Organizers submit symposium proposals by **January 31, 2023**
- Program Committee reviews proposals through **February 28, 2023**
- Feedback provided to symposium organizers by **March 7, 2023**
- Technical committee review and sponsorship at TMS2023 through **March 23, 2023**
- Call for abstracts opens by **mid-April 2023**

Symposium proposals can be submitted through the Programming section of the TMS2024 website at **www.tms.org/TMS2024.**

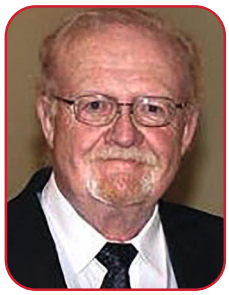
TMS Committee Name Changes

The TMS Board of Directors approved the renaming of the Membership & Student Development Committee and the related director position to the Membership Diversity & Development Committee and Membership Diversity & Development Director, respectively, at its August 2022 meeting. Also approved is the renaming of the Young Professionals Committee to the Emerging Professionals Committee.

2023 TMS Meeting of the Membership and Open Board of Directors Meeting

The Minerals, Metals & Materials Society, Inc. (TMS), in accordance with its bylaws (Article II, Section 2.6, and Article III, Section 3.7) will hold its 2023 Annual Meeting of the Membership with Open Board of Directors Meeting, on Thursday, March 23, 2023, at 8 a.m. (PT) at the San Diego Hilton Bayfront, during the TMS 2023 Annual Meeting & Exhibition in San Diego, California.

A Tribute to Richard Hoagland



Richard (Dick) G. Hoagland passed away September 29, 2022, at the age of 81. He was a TMS member since 1981 and a 2010 TMS Fellow.

He was born in Denver, Colorado and received his BS in metallurgical engineering from Colorado School of Mines in 1962. He worked as a research scientist at Battelle Northwest Lab from 1962 to 1969. While working at Battelle, he received his MS degree in materials science from Washington State University (WSU), and then moved to The Ohio State University where he earned his PhD in metallurgical engineering in 1973, advised by John P. Hirth.

After his PhD, he worked as a principal research scientist at Battelle Institute until 1979, when he transitioned to academia, first at Vanderbilt University and then at The Ohio State University. In 1987, he became professor of materials engineering at WSU, where he served as chair of the materials engineering program, Westinghouse Distinguished Professor in Materials Science, and the director of the Center for Materials Science. He was recognized as a Senior Scientific Fellow by Pacific Northwest National Laboratory (PNNL) in 1989. In 1999, he became professor emeritus at WSU and spent a year at Los Alamos National Laboratory (LANL) as the prestigious Bernd T. Matthias Scholar in LANL's Center for Materials Science. From 2000 to 2003, he consulted for LANL and for PNNL and in 2003, he moved to LANL as a senior staff scientist. He retired in 2009 and worked as a lab associate at LANL until he passed away. His career in metallurgy/materials science spanned 60 years and served three sectors: industrial research and development, academia, and national laboratories.

Dr. Hoagland made seminal contributions in both experimental and computational materials research. He was involved in the development of an ASTM method to measure plane-strain crack-arrest fracture toughness to evaluate the safety of nuclear reactor pressure vessels. He was the first to employ flexible boundary conditions (FLEX II) in atomistic models of defects that enabled significant improvement in computational speed and accuracy, as early as 1970. He also championed developments in atomistic modeling of fracture, hydrogen embrittlement and toughening mechanisms in ceramics. At LANL, he was a principal leader in the atomistic modeling of deformation mechanisms in nanolayered materials, and made important discoveries about the complex atomic structures of interphase boundaries in metals. This work provided the basis for atomic-scale defect interactions involved in the fabrication of ultra-high-strength, radiation-damage tolerant metallic composites.

Throughout his career, he mentored a diverse group of doctoral and postdoctoral students and early and mid-career scientists who are now tenured faculty in academia or staff scientists at national laboratories. He was an inspirational mentor who motivated young scientists to deliver their best. He was known for asking probing questions, explaining difficult scientific concepts with ease and humor, and developing lifelong friendships with scientific colleagues. He enjoyed fishing in the rivers and lakes of the American West, astronomy, painting, and cooking. His love of cooking and science produced creative outcomes, including a "nano-layered salmon" dish for a reception at his residence in Santa Fe, New Mexico, in which he arranged arrays of capers to replicate the atomic structure of an interphase boundary.

Dr. Hoagland received numerous honors and awards for his outstanding research accomplishments and became the first LANL scientist to be honored with the rank of Fellow in three materials science professional societies: ASM International, TMS, and the Materials Research Society. He is survived by his spouse Cheryl, a son, a daughter, and four grandchildren.

--Contributed by A. Misra, P.M. Anderson & J.P. Hirth on behalf of Dick Hoagland's colleagues at TMS. Acknowledgements to C. Hoagland, M.J. Demkowicz, S.J. Fensin, N.A. Mara, S.A. Maloy, S.G. Srivilliputhur, B.P. Uberuaga, J. Wang and others for reviewing and editing this tribute.

In Memorium

TMS offers condolences to the friends, family, and colleagues of the following members:

Clyde Adams	**C. Cochran**	**John Forst**	**Ralph McAlister**	**Richard Reddy**
Jagdish Agarwal	**Hans Conrad**	**William Harms**	**Arthur J. McEvily**	**George Robinson**
Frank Aplan	**Francois D'heurle**	**Richard Hunnicutt**	**Carl McHargue**	**Joseph Sevick**
Richard Bauer	**Thomas W. Eagar**	**David Krashes**	**Wilfred Nagel**	**David B. Snow**
Jack S. Brett	**Edwin Eiswerth**	**Henry Kurtz**	**Michael Nevitt**	**Paul Spencer**
Lynwood Burkhalter	**August Ferretti**	**David Levinson**	**Robert Peppers**	**William Stauffer**
Ye Chou	**George Fischer**	**Charles Licht**	**Harold P. Rajcevic**	

New AIME Oral Histories Spotlight TMS Members


Rodney R. "Rod" Boyer


Raymond Decker


Peter Liaw


Donald R. Sadoway

The American Institute of Mining, Metallurgical, and Petroleum Engineers (AIME) has released new videos as part of their Oral History project. This project strives to support part of the Institute's mission, by preserving and promoting the achievements in the fields and sharing prominent members' stories with future generations.

Four new TMS members' histories have been added to the existing collection:

- **Rodney R. "Rod" Boyer**, Retired, RBTi Consulting
  Title: ***Rodney R. (Rod) Boyer: The Ti Guy***
- **Raymond Decker**, Chief Technology Officer, Thixomat/nanoMAG, LLC, and Adjunct Professor, University of Michigan
  Title: ***Raymond Decker: A Life Full of Serendipity and Discovery***
- **Peter Liaw**, Endowed Ivan Racheff Chair of Excellence, Department of Materials Science and Engineering, University of Tennessee
  Title: ***Peter Liaw: Success in Academia Through Devotion and Dedication***
- **Donald R. Sadoway**, Professor of Materials Chemistry, Massachusetts Institute of Technology
  Title: ***Donald Sadoway: Pursuing Service with a Passion to Change the World***

Visit the AIME Oral Histories web page at **https://aimehq.org/what-we-do/oral-histories** to learn the story of your profession in the words of those who have lived it. Check the AIME Oral Histories page regularly for announcements when new TMS member interviews are available, or to submit a candidate for AIME's Oral History capture.

TMS Award Recipients Honored at TMS2023 in March

TMS will honor its society- and division-level award recipients at the 2023 TMS-AIME Awards Ceremony & Reception on Wednesday, March 22, as part of the TMS 2023 Annual Meeting & Exhibition (TMS2023) in San Diego, California. Award recipients, their guests, and TMS2023 registrants are all invited to attend the ceremony, which will feature award presentations from both TMS and the American Institute of Mining, Metallurgical, and Petroleum Engineers (AIME), of which TMS is a member society. A ticketed reception will be held prior to the ceremony; TMS2023 attendees can purchase tickets for this reception for $25 each through the TMS2023 registration form.

For a preview of the 2023 TMS Award recipients, visit the TMS Honors and Awards website at **awards.tms.org** and select Current Award Recipients from the menu. The last day to register for TMS2023 at the discounted early registration rate is January 31, 2023.

Professional Societies Honor TMS Members

Congratulations to the following TMS members who were recently honored at awards events held by various materials professional societies.

The American Ceramic Society (ACerS)

Presented at the ACerS Annual Awards Banquet held in conjunction with Materials Science & Technology 2022 (MS&T22) on October 10, 2022 in Pittsburgh, Pennsylvania, USA.

2022 Fellow

Janet Callahan, Michigan Technological University
TMS member since 1992

Shen Dillon, University of California, Irvine
TMS member since 2010

Yanwen Zhang, Oak Ridge National Laboratory
TMS member since 2011

Richard M. Fulrath Award, American Industrial

Tobias Schaedler, HRL Laboratories, LLC
TMS member since 2006

ASM International

Presented at the ASM Awards Dinner, September 13, 2022, in New Orleans, Louisiana, USA, in conjunction with IMAT22.

2022 Fellow

Nick Birbilis, The Australian National University
TMS member since 2004

Carelyn E. Campbell, National Institute of Standards and Technology
TMS member since 1988

Qing Chen, Thermo-Calc Software AB
TMS member since 2008

Nikhil Gupta, New York University
TMS member since 1997

Hideyuki Kanematsu, National Institute of Technology (KOSEN)
TMS member since 1993

Jian Luo, University of California, San Diego
TMS member since 2005

Paul K. Mason, Thermo-Calc Software, Inc.
TMS member since 2001

Douglas M. Matson, Tufts University
TMS member since 1996

Todd A. Palmer, Pennsylvania State University
TMS member since 1992

Timothy J. Rupert, University of California, Irvine
TMS member since 2007

Adrian S. Sabau, Oak Ridge National Laboratory
TMS member since 1999

Narasi Sridhar, MC Consult, LLC
TMS member since 2020

Michael D. Uchic, Air Force Research Laboratory
TMS member since 1999

Jian Wang, University of Nebraska-Lincoln
TMS member since 2000

Cyril L. Williams, US Army Research Laboratory
TMS member since 2011

Gold Medal Award

Glenn S. Daehn, The Ohio State University
TMS member since 1987

Albert Sauveur Achievement Award

Mark F. Horstemeyer, Liberty University
TMS member since 1998

J. Willard Gibbs Phase Equilibria Award

Kallarackel T. Jacob, Indian Institute of Science
TMS member since 1978

Albert Easton White Distinguished Teacher Award

John J. Lewandowski,
Case Western Reserve University
TMS member since 1984

Bronze Medal Award

Abdallah Elsayed, University of Guelph
TMS member since 2007

Bradley Stoughton Award for Young Teachers

Ashwin Shahani, University of Michigan
TMS member since 2011

The Metallurgy and Materials Society (MetSoc) of the Canadian Institute of Mining, Metallurgy and Petroleum

Presented at the MetSoc Annual Awards Banquet on August 23, 2022, Montreal, Quebec, Canada in conjunction with the Conference of Metallurgists 2022.

MetSoc Airey Award

Tony Warner, Worley
TMS member since 1988

MetSoc Award for Research Excellence

Mihaiela M. Isac, McGill University
TMS member since 2009

MetSoc Brimacombe Award

Leili Tafaghodi, McMaster University
TMS member since 2009

Pyrometallurgy Best Paper Award

Sam Marcuson
TMS member since 1992

Light Metals Best Paper Award

Ian W. Donaldson
TMS member since 1984