



Apply to be the Next Congressional Fellow; TMS Members Honored at MetSoc COM 2017

member news

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Scott Litzelman

Spend a Year as a Congressional Fellow

Interested in applying your scientific knowledge to U.S. public policy issues? The Congressional Science and Engineering Fellowship program, sponsored jointly by TMS and the Materials Research Society (MRS), under the auspices of the American Association

for the Advancement of Science, might be a good fit for you.

The Congressional Fellow program offers scientists and engineers a unique opportunity to spend one year immersing themselves in a hands-on, public policy learning experience that lets them contribute to the effective use of

materials knowledge in government. If you are a member of TMS or MRS and will have your Ph.D. by the start of the fellowship, you are eligible to apply.

Applications are currently being accepted for the 2018–2019 fellowship, which begins September 1, 2018. **All applications are due January 5, 2018.**

U.S. citizenship is not required, but applicants must be authorized to work in the United States.

In related news, 2017–2018 Congressional Science and Engineering Fellow, Scott Litzelman, will serve a one-year term as a special legislative assistant in the office of U.S. Senator Ron Wyden, a Democrat from Oregon with a seat on the U.S. Senate Committee on Energy & Natural Resources. Litzelman's recent placement was determined following a two-week orientation and interviews with 16 different congressional offices to find the best fit.

For details on the Congressional Fellow Program, as well as listing of past fellows and their *JOM* articles highlighting what they learned through the program, visit the TMS/MRS Congressional Science and Engineering Fellowship page, accessed under the Outreach tab on the TMS website.

If you have questions about applying for the 2018–2019 TMS/MRS Congressional Science and Engineering Fellowship, **contact Mary Samsa, TMS Foundation and Public Affairs Manager, at msamsa@tms.org.**



Long-Qing Chen

TMS Fellow Receives Humboldt Research Award

Long-Qing Chen, professor of Material Science and Engineering at Pennsylvania State University and a 2017 TMS Fellow, received the 2017 Humboldt Research Award from the Alexander von Humboldt Foundation, Germany. The intent of

this award is to foster international scientific collaboration. Chen said that he will embrace this goal by furthering his research and establishing new partnerships at research institutes in Germany.

TMS Members Honored at MetSoc 2017 Conference of Metallurgists

Congratulations to the following TMS members for being honored at the Metallurgy & Materials Society (MetSoc) of the Canadian Institute of Mining, Metallurgy and Petroleum 2017 Conference of Metallurgists (COM 2017) held in August in Vancouver.

MetSoc Award for Research Excellence

George P. Demopoulos

Chair, Mining and Materials Engineering
Gerald G. Hatch Chair Professor, McGill University

TMS Member since 1993

MetSoc's highest honor for metallurgical contribution by an academic or research scientist in a Canadian research laboratory or Canadian university, this award recognizes lifetime achievement in teaching and research resulting in significant metallurgical developments.

Silver Medal

Doug Boyd

Professor, Queen's University (retired)

TMS Member since 1983

The Silver Medal recognizes an individual who has contributed over a long period of time to the growth of MetSoc.

Environment Award

Paul B. Queneau

President, The Bear Group

TMS Member since 1968

This award recognizes significant contributions to the field of environmental science and engineering and sustainable development in the metallurgical industry.

Sherritt Hydrometallurgy Award

John Goode

Consulting Metallurgist, J.R. Goode and Associates

TMS Member since 2008

Individuals receiving this award are recognized for their significant contribution in the field of hydrometallurgy through research, plant design, operations, and education.

MetSoc Doctoral Scholarship

Richard Elliott

Research Assistant, University of Toronto

TMS Member since 2015

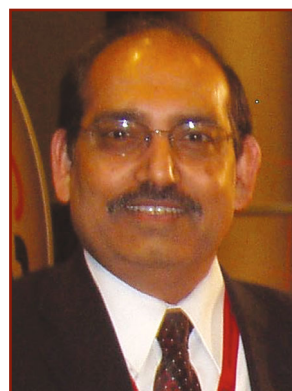
MetSoc confers this award on a Ph.D. student who shows excellence, not only in research, but in leadership skills, community service, and extracurricular activities.



Amit Pandey



Timothy Rupert



Brajendra Mishra

TMS Members Participate in Frontiers of Engineering Symposium

Two TMS Young Leaders Professional Development Award recipients—Amit Pandey, LD Fuel Cell Systems (2014 Functional Materials Division award) and Timothy Rupert, University of California, Irvine (2015 Structural Materials Division award) were invited participants to the 2017 U.S. Frontiers of Engineering

Symposium, held in September.

Hosted by the National Academy of Engineering, the symposium annually convenes 100 distinguished young professionals selected from a range of engineering disciplines to explore cross-disciplinary approaches to advancing four cutting edge topic areas.

Brajendra Mishra Receives Distinguished Alumnus Award

Brajendra Mishra, Worcester Polytechnic Institute (WPI), received the 2017 Distinguished Alumnus Award from the Indian Institute of Technology, Kharagpur, India, in August. He is currently WPI's Kenneth G. Merriam Distinguished Professor of Mechanical Engineering and associate director of the

Metal Processing Institute. Mishra served as 2006 TMS President and 2011 President of the American Institute of Mining, Metallurgical, and Petroleum Engineers. Among his many awards and honors, he is a 2016 TMS Fellow and recipient of the 2010 TMS Alexander Scott Distinguished Service Award.

TMS Welcomes New Members

The TMS Board of Directors approved professional membership for the following individuals at its October 2017 meeting. Please join us in congratulating and welcoming them to all the privileges and benefits of TMS membership.

Abe, Hiroshi; Tohoku University, Japan	Chang, Litao; The University of Manchester, United Kingdom	Ehrnsten, Ulla; VTT Technical Research Centre of Finland, Finland	Guerre, Catherine; Saclay Nuclear Research Center, France
Agunbiade, Olufemi; Honeywell International Inc., United States	Chen, Jiaxin; Studsvik Nuclear AB, Sweden	Ekstrom, Peter; Swedish Radiation Safety Authority, Sweden	Guo, Xianglong; China
Ahluwalia, Kawaljit S.; Electric Power Research Institute, United States	Chen, Yiren; Argonne National Laboratory, United States	Elmas, Mihdi; Society for Plant and Reactor Safety (GRS), Germany	Hanlon, Sean M.; Canadian Nuclear Laboratories, Canada
Alexandrea, Bogdan; Argonne National Laboratory, United States	Chimi, Yasuhiro; Japan Atomic Energy Agency, Japan	Emly, Alexandra C.; Exponent, United States	Herbst, Mattias; Areva GmbH, Germany
Alharbi, Hamad; King Saud University, Saudi Arabia	Chou, Peter; Electric Power Research Institute, United States	Errington, William J.; Pyro Services, Australia	Hill, Elizabeth M.; University of Minnesota Duluth, United States
Alomari, Ahmed; Saudi Arabia	Collier, Michael A.; Marathon Petroleum, United States	Faller, Roland; University of California, Davis, United States	Hills, David E.; U.S. Nuclear Regulatory Commission, United States
Aoki, So; Japan Atomic Energy Agency, Japan	Connor, Myles; United States	Focht, Eric M.; Naval Surface Warfare Center, United States	Hoggan, Rita; United States
Audrain, Margaret; U.S. Nuclear Regulatory Commission, United States	Correa, Miguel; Pacific Northwest National Laboratory, United States	Freyer, Paula D.; Westinghouse Electric Company LLC, United States	Hojna, Anna; Research Center Rez, Czech Republic
Ayoub, Georges Y.; University of Michigan, United States	Cowan, Robert L.; United States	Frodigh, Johan; AB Sandvik Materials Technology, Sweden	Howard, James; Materials Science Research Consulting, United States
Balazadeh, Behdad; United States	Dasgupta, Dwaipayam; United States	Fukuya, Koji; Institute for Nuclear Safety System, Japan	Hyres James W.; BWX Technologies Inc., United States
Bamford, Warren H.; Westinghouse Electric Company LLC, United States	Daub, Kevin; Canadian Nuclear Laboratories, Canada	Gabris, Cybele; Knolls Atomic Power Lab, United States	Impellizzeri, Nicholas; Firmenich, United States
Banyay, Gregory; Westinghouse Electric Company LLC, United States	Davidsaver, Sarah; United States	Garcia, Susan; Electric Power Research Institute, United States	Ishizaki, Takahiro; Hitachi Ltd., Japan
Brimbal, Daniel P.; Areva NP Inc., France	De Curières, Ian; Institute for Radiation Protection and Nuclear Safety, France	Gerard, Robert; Tractabel Engineering, Belgium	Jobba, Dan R.; Ontario Power Generation, Canada
Buch, Jonas; Forsmarks Kraftgrupp AB, Sweden	De Vroey, Séverine; ENGIE Laborelec, Belgium	Glas, Annika; Vattenfall, Sweden	Johansson, Hanna I.; Forsmarks Kraftgrupp AB, Sweden
Bussert, Susan; Naval Nuclear Laboratory, United States	Diab, Mohammed A.; Construction Technical Services Arabia, Saudi Arabia	Glass, Bill; Pacific Northwest National Laboratory, United States	Velmurugan, K.; Sri Manakula Vinayagar Engineering, India
Capell, Brent M.; Electric Power Research Institute, United States	Dolley, Evan J.; United States	Glendening, Andrew; NASA, United States	Kalaluhi, Kaydee G.; The Boeing Company, United States
Carter, Robert G.; Electric Power Research Institute, United States	Dregia, Suliman; The Ohio State University, United States	Glover, Jeffrey A.; Office for Nuclear Regulation, United Kingdom	Kim, SungSoo; Korea Atomic Energy Research Institute, South Korea
Castro, Daniel; United States	Dubon, Oscar; University of California Berkeley, United States	Graves, Paul R.; Trojan Battery Company, United States	Korhonen, Ritva; Fortum Power and Heat Oy, Finland
Chan, Alvaro; Workstrings International, United States	Ducksworth, Robert; Oak Ridge National Laboratory, United States	Grundler, Pascal V.; Paul Scherrer Institute, Switzerland	
	Duff, Jonathan A.; University of Manchester, United Kingdom		
	Duhamel, Cecilie; MINES ParisTech - Centre des Matériaux, France		

Koshiishi, Masato; Nuclear Fuel Development Co., Japan	Montoya, Arturo; The University of Texas at San Antonio, United States	Rao, Appajosula S.; US Nuclear Regulatory Commission, United States	Terachi, Takumi; Institute of Nuclear Safety System, Inc., Japan
Koss, Jeff M.; The Boeing Company, United States	Medway, Stuart L.; Amec Foster Wheeler, United Kingdom	Reck, James; Department of Navy, United States	Tice, David R.; Amec Foster Wheeler, United Kingdom
Kruska, Karen; Pacific Northwest National Laboratories, United States	Monty, Bruce S.; Westinghouse Electric Company LLC, United States	Riahinezhad, Marzieh; Canada	Toll, Trevor; United States
Kumagai, Katsuhiko; Tokyo Electric Power Company, Japan	Morgan, Bradley D.; Nucor Steel Arkansas, United States	Rollings, Brandon; United States	Toloczko, Mychailo B.; Pacific Northwest National Laboratory, United States
Legras, Laurent; EDF Research and Development Materials and Mechanics Components, France	Mosselman, Wouter; Aeronamic B.V., Netherlands	Rouison, David; Kinectrics Inc., Canada	Toloui, Morteza; Ontario Power Generation, Canada
Li, Hui; Shanghai University, China	Mukahiwa, Kudzanai; University of Manchester, United Kingdom	Rutherford, Lisa; California Polytechnic State University San Luis Obispo, United States	Topbasi, Cem; Electric Power Research Institute, United States
Li, Ming; Ontario Power Generation, Canada	Murdock, Darrell; Nuclear Regulatory Commission, United States	Sadollah, Mohammad A.; U.S. Nuclear Regulatory Commission, United States	Ulaganathan, Jaganathan; Canadian Nuclear Laboratories, Canada
Lian, Tiangan; Electric Power Research Institute, United States	Nakagawa, Akira; IHI Corporation, United States	Sakakibara, Yokei; IHI Corporation, Japan	Vernon, Michael S.; Nucor-Yamato Steel, United States
Liang, Xue; China	Nicolas, Huin; Areva NP Inc., France	Samanta, Amit; Lawrence Livermore National Laboratory, United States	Viriden, Kelsey; Naval Nuclear Laboratory, United States
Liu, Wen Q.; Shanghai University, China	Nordin, Heidi; Canadian Nuclear Laboratories, Canada	Sarikka, Teemu; Aalto University, Finland	Wang, Yan; Worcester Polytechnic Institute, United States
Lloyd, Isabel; University of Maryland, United States	Nouraei, Samaneh; Office for Nuclear Regulation, United Kingdom	Scenini, Fabio; University of Manchester, United Kingdom	Watanabe, Yutaka; Tohoku University, Japan
Lu, Zhanpeng; Shanghai University, China	O'Brien, Lindsay; United States	Schon, Claudio G.; Texas A&M University, United States	Widera, Martin T.; RWE Power AG, Germany
Maeguchi, Takaharu; Mitsubishi Heavy Industries, Ltd., Japan	Ohki, Yoshimichi; Waseda University, Japan	Seifert, Hans-Peter; Paul Scherrer Institute, Switzerland	Williams, Cyril; U.S. Army Research Laboratory, United States
Mantey, Andrew J.; Electric Power Research Institute, United States	Olszta, Matthew J.; Pacific Northwest National Laboratory, United States	Shepherd, Joseph; United States	Wright, Michael; Canadian Nuclear Laboratories, Canada
Maruno, Yusaku; Hitachi, Japan	Pemberton, Sonya R.; Amec Foster Wheeler, United Kingdom	Soltanian, Amir Farivar; ECS Mid-Atlantic LLC, United States	Xui, Donghua; Oregon State University, United States
McCracken, Steve L.; Electric Power Research Institute, United States	Perez, Camilo; RHI US LTD, United States	Soma, Yasutaka; Japan	Young, George A.; Dominion Engineering, United States
Medway, Stuart L.; Amec Foster Wheeler, United Kingdom	Perosanz, Francisco J.; Center for Energy, Environmental and Technological Research, Spain	Spencer, Benjamin; Idaho National Laboratory, United States	Zhang, Di; Valparaiso University, United States
Michalicka, Jan; Central European Institute of Technology, Brno University of Technology, Czech Republic	Pischke, Michael J.; Quality Weld Engineering, United States	Staunton, Patrick; Westport Welding Innovation, United States	Zhao, Ji; Massachusetts Institute of Technology, United States
Miura, Terumitsu; Institute of Nuclear Safety System Inc.; Japan	Pitek-Smith, Felicia; Bechtel Plant Machinery, Inc., United States	Stevens, Jacqueline; United States	Zhao, Cang; Argonne National Laboratory, United States
	Puzak, Kelly; United States	Svensson, Tor; Forsmarks Kraftgrupp AB, Sweden	Zinck, Aurora A.; Lockheed Martin, United States
	Ramirez, Amanda C.; Bechtel Oil, Gas & Chemicals, United States	Tachibana, Masahiko; Hitachi, Ltd. Research and Development, Japan	
	Rantanen, Ville; Fortum, Finland	Tatman, Jonathan; Electric Power Research Institute, United States	