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new and noteworthy at TMS

Adria Wilson

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–Adria Wilson, 2014–2015 TMS/MRS Congressional Science and Engineering Fellow

Meet the New TMS/MRS Congressional Science and Engineering Fellow

With a keen policy interest in renewable energy technology implementation, environmental conservation, and STEM (science, technology, engineering, and mathematics) education, Adria Wilson will try her hand at "deciphering science for policymakers" when she starts her one-year appointment as the 2014–2015 TMS/MRS (Materials Research Society) Congressional Science and Engineering Fellow on September 1.

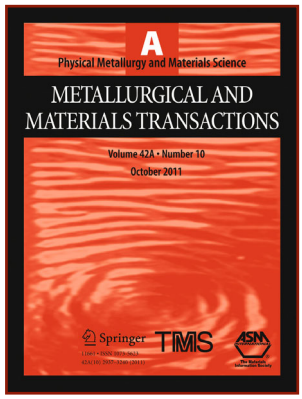
Wilson earned her Ph.D. in chemistry from Duke University, North Carolina, and her B.S. in chemistry from Drexel University, Pennsylvania, where she also minored in political science. As a graduate research assistant at Duke, her work has focused on investigating the structural basis of synergistic catalytic behavior observed for gold-palladium bimetallic nanoparticle catalysts. Her academic and research achievements include selection as a 2013 Lindau Meeting of Nobel Laureates Young Researcher, being funded by the National Science Foundation (NSF) through the Graduate Researcher Fellowship Program, and serving as co-president of the Duke chapter of the Phi Lambda Upsilon national chemistry honor society. She also helped establish the Duke student chapter of MRS and served as chapter treasurer. Wilson's professional experience includes serving as a research associate for RL Associates and a bioanalytical scientist for GlaxoSmithKline.

Outside the laboratory and classroom, "I've spent much of my spare time learning how to influence policy as a citizen," noted Wilson in her application for the fellowship. This included playing an active role on Duke's Graduate and Professional Student Council to improve public transit, recycling, and other aspects of sustainability at the university. She has also been heavily involved in science mentoring and outreach, volunteering at numerous community events and demonstrations, serving as a Girl Scout Troop Leader, and mentoring a summer high school student in the development of a public education project in chemistry. "I have seen firsthand how impactful educating people on the technical details of an issue can be, and my involvement as a non-scientist has catalyzed my desire to promote such education as it applies to policy decisions with my professional expertise," said Wilson.

"From the congressional fellowship experience, I hope to get a taste of what it is like to advocate for science as the legislative process occurs," Wilson continued. "I firmly believe that science is most useful when it is applied in a societal context, and I am looking for a chance to facilitate that process by educating others about the technical aspects of policy issues. I'm also eager to learn from the other talented people I'll meet and work with in a congressional office. Their professional expertise is drastically different than mine and working with them will hopefully instill in me an acumen for tailoring scientific research to the needs of society throughout my career."

The American Association for the Advancement of Science Congressional Science and Engineering Fellows Program is operated as a cooperative effort of approximately 30 national scientific and engineering societies that provide an opportunity for accomplished scientists and engineers with public policy interests to learn about and engage in the policy-making processes of the U.S. Congress. For additional information about the TMS/MRS Congressional Fellowship, contact Mary Samsa, TMS Foundation and Public Affairs Manager, at *msamsa@tms.org*.

MMTA Article Wins Hatchett Award



For the second year in a row, an article published in *Metallurgical and Materials Transactions A* (*MMTA*) received the Charles Hatchett Medal, an international prize awarded annually in association with the Institute of Materials, Minerals and Mining (IOM3) for published work on the science and technology of niobium. The winning article was published in two parts:

- "Precipitation of Nb in Ferrite After Austenite Conditioning. Part I: Microstructural Characterization" by A. Iza-Mendia, M. A. Altuna, B. Pereda, I. Gutiérrez (December 2012, Volume 43, pp 4553–4570)
- "Precipitation of Nb in Ferrite After Austenite Conditioning. Part II: Strengthening Contribution in High-Strength Low-Alloy (HSLA) Steels" by M. A. Altuna, Amaia Iza-Mendia, I. Gutiérrez (December 2012, Volume 43, pp 4571-4586)

Last year, the *MMTA* paper, "Strengthening Mechanisms and Their Relative Contributions to the Yield Strength of Microalloyed Steels by Steels" by Junfang Lu, Oladipo Omotoso, J. Barry Wiskel, Douglas G. Ivey, and Hani Henein (September 2012, Volume 43, Issue 9, pp 3043-3061), won the Hatchett Award.

Published 13 times a year by TMS and ASM International, *MMTA* publishes critically reviewed, original research of archival significance on all aspects of physical metallurgy and materials science. Volume years 1975 to the present are available at *http://link.springer.com /journal/11661*. TMS members have free access to all articles.

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144th Annual Meeting & Exhibition

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- Additive Manufacturing and Joining Processes
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- Materials for Energy and Sustainability
- Advanced Materials, Properties and Performance
- Nuclear Reactor Materials and Fuels

Don't wonder what you missed as a presenter at TMS2015. Submit your abstract online without delay at *www.tms.org/tms2015.*

TMS Welcomes New Members

Please join us in congratulating the following new TMS members, approved by the TMS Board of Directors at its May meeting:

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Bennett, Christopher; University of Nottingham, Great Britain

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Black, Jennifer; Oak Ridge National Laboratory, United States

Bond, Leonard; Iowa State University, United States

Borgesen, Peter; Binghamton University, United States

Bringa, Eduardo; Conicet & Instituto De Ciencias Basicas, Argentina

Brons, Justin; Seagate Technology, United States

Brooks, Dennis; Alcoa, United States

Buchholz, Andreas; Hydro Aluminium Rolled Products Gmbh, Germany

Byczynski, Glenn; Nemak Canada, Canada

Caissy, Jacques; Bechtel, Canada

Cantor, Brian; University of Bradford, Great Britain

Cao, Guoping; University of Wisconsin-Madison, United States

Chai, Lihua; Beijing University of Technology, China

Chen, Yongjun; North Carolina A&T State University, United States

Chen, Chih; National Chiao Tung University, Taiwan

Cobo, Esteban; Aluar Aluminio Argentino S.A.I.C., Argentina

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Deillon, Lea; Institute Jean Lamour, France

Delph, Terry; Lehigh University, United States

Dickerson, Robert; Los Alamos National Laboratory, United States

Dillon, Robert; Jet Propulsion Laboratory, United States

Dispinar, Derya; Istanbul University, Turkey

Dorreen, Mark; University of Auckland, New Zealand

Duan, Dongping; Chinese Academy of Sciences, China

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Engh, Thovald Abel; Norwegian University of Science and Technology, Norway

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Foster, Yvan; Rio Tinto Alcan, Canada

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Gupta, Manoj; National University of Singapore, Singapore

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Holland, Troy; Colorado State University, United States

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Inostroza, Cesar; Hatch, Canada

Javaid, Amjad; Canmet Materials Natural Resources Canada, Canada

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Kim, Young Sub; Research Institute of Industrial Science & Technology, South Korea

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Leduc, Marc; BASF New Business Gmbh, Germany

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Li, Mao; Central South University, China

Li, Dajian; Karlsruhe Institute of Technology, Germany

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Maier, Verena; University of Leoben, Austria

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Mao, Xiaodong; Korea Atomic Energy Research Institute, South Korea

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Miller, Herbert; Bechtel Marine Propulsion Corporation, United States

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Monfared, Shabnam; Los Alamos National Laboratory, United States

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