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JOM AUTHORS AND ADVISORS

Abu-Farha, Fadi is an Assistant Professor at the Pennsylvania State University–Erie. He earned his Ph.D. in 2007 in Metallurgical Engineering at the University of Kentucky. Mr. Abu-Farha is an eight year member of TMS. **Page 72.**

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Battaile, Corbett C. is a member of the Materials Processing & Manufacturing Division (MPMD) Council, the Content Development and Dissemination, Computational Materials Science and Engineering, and ICME committees. He earned his Ph.D. in Materials Science from the University of Michigan in 1997. Dr. Corbett is now a Principal Member of Technical Staff at Sandia National Laboratories in Albuquerque, New Mexico. **Page 33.**

Bearne, Geoff is the Director of Primary Metal Technology and R&D for Rio Tinto Alcan. He is a mechanical engineering graduate from City University in London and has 30 years of experience in the aluminum industry. After 8 years at Dubai Aluminum Ltd. Bearne joined Rio Tinto in 1989 and was General Manager of the Rio Tinto Alcan Research Center in Melbourne, Australia, before moving to France in



2009. He has been a member of TMS since 1989, was Chair of the TMS Aluminum Committee in 2010 and editor of *Light Metals 2009*. Bearne is presently Aluminum Committee Advisor to *JOM*. **Page 2.**

Buchheit, Thomas E. has been a TMS member since 2009. He has served on the Mechanical Behavior, Nanomechanical Behavior, and Computational Materials Science committees. In 1995, Dr. Buchheit earned his Ph.D. in Materials Science and Engineering from the University of Virginia. He currently works on the Technical Staff at Sandia National Laboratories in Albuquerque, New Mexico. **Page 33.**

Carsley, John E. is a Staff Researcher at General Motors Corporation in Warren, Michigan. He earned his Ph.D. in 1996 in Metallurgical Engineering from Michigan Technical University. Dr. Carsley has been a TMS member for 22 years. **Page 23.**

Couper, Malcolm J. is Senior Research Coordinator, CoE for Design in Light Metals at Monash University, Australia where he also earned his Ph.D. in 1983 in Materials Engineering. Dr. Couper is a 16-year member of TMS. **Page 66.**



Dahle, Arne K. is a professor of materials engineering at the University of Queensland, Australia. He earned his Ph.D. in 1996 in Physical Metallurgy at the Norwegian University of Science & Technology. Dr. Dahle is a 13-year member of TMS. **Page 66.**

Hector, Louis G., Jr. graduated from Northwestern University with a Ph.D. in Mechanical Engineering and Applied Mechanics in 1987. He is currently working as a Technical Fel-



low at General Motors Research and Development in Warren, Michigan. He has been involved with paper reviews for the magnesium sessions at yearly TMS meetings and was also a member of an expert panel for energy materials. In 2010, Hector received the John M. Campbell Award for outstanding contributions to tribological physics and the John M. Campbell Award for outstanding contributions to multi-scale modeling of aluminum. **Page 24.**

Holm, Elizabeth A. is a distinguished member of the Technical Staff at Sandia National Laboratories. Graduating from the University of Michigan, Ann Arbor with a Ph.D. in Materials Science and Engineering and Scientific Computing, An active volunteer, before becoming the Incoming Vice President, Holm was Publications Director (2008–2011) and Structural Materials Division Director (2004–2007) at TMS. Holm is a member of the Women in Materials Science and Engineering Committee and in 2010 she won the Electronic, Magnetic & Photonic Materials Division Distinguished Service Award. **Page 33.**



Krajewski, Paul E. has been a member of TMS for 17 years. He has authored many papers and talks, organized symposia, participated in ad hoc committees, and currently is serving as the Vice-Chair of the Shaping and Forming Committee. In 1994, he graduated from The University of Michigan with a Ph.D. in Materials Science and Engineering. Currently Krajewski is living in Warren, Michigan where he works as Engineering Group Manager and Technical Fellow at General Motors Product Development. **Pages 2, 23, 24.**



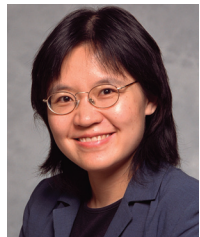
Miles, Michael, P. is an Associate Professor at Brigham Young University in Provo, Utah. He graduated in 1995 with a Ph.D. in Materials Science and Engineering from Ecole des Mines des Paris. Professor Miles has been a TMS member since 1994. *Page 23.*

Mishra, Raja K. was the recipient of the TMS Magnesium Fundamental Research Award in 2007 and 2008. Graduating from the University of California, Berkeley with a Ph.D. in



Materials Science and Engineering, Dr. Mishra currently works as a Technical Fellow at General Motors in Warren, Michigan. *Page 24.*

Qi, Yue is a Staff Research Scientist at General Motors Corporation in Warren, Michigan. She graduated from California Institute of Technology in 2001 with a Ph.D. in Materials



Science. Dr. Qi has been using the multi-scale modeling approach to solve problems related to energy materials for batteries and fuel cells and forming and machining of light weight alloys. Her recent research topic is “integration of material properties into Li-ion battery failure modeling.” Dr. Qi has received three GM Campbell awards for research with other team members for “Multi-Scale Modeling of High-temperature Deformation in Aluminum” (2009), “Fundamentals of Interfacial Tribology” (2009), and “Advances in Nano-scale Plasticity” (2006). She was also the co-recipient of the 1999 Feynman Prize in Nanotechnology for Theoretical Work. *Page 24.*

Richards, Nolan is a senior member at TMS and has been part of the society since 1978. He earned a B.S. and M.S. in chemistry from the University of Auckland in 1951 and 1952 and a Ph.D. in physical chemistry in 1956. Richards



spent 37 years with Reynolds Metals Company, 22 as manager of the Manufacturing Technology Laboratory. He has authored 59 publications including the Portsmouth Yardstick, where he is the co-author/originator for handicapping sailboats in the United States and Canada. Richards has been an invited lecturer to China, Russia, Hungary, Norway, and Australia and a visiting professor, lecturer, and scientist at the University of Auckland. Richards was a recipient of the 2004 Light Metals Award. *Page 15.*

Sachdev, Anil K. started his GM career in 1977 with the GM Research Labs after receiving his Doctorate in Materials Science and Engineering from the Massachusetts Institute of Technol-



ogy, his M.Sc. in Metallurgical Engineering from Purdue University, and B.Sc. in Metallurgical Engineering from Banaras Hindu University in India. His research interests include structure-property relationships and microstructure design in aluminum and magnesium alloys for structural applications, metal matrix-composites, and high strength steels. He is currently Research Fellow and Lab Group Manager in the Chemical Sciences and Materials Systems Lab at the GM Research and Development Center and leads advanced materials-related projects for next-generation lightweight body and powertrains. The various projects he is leading are focused on improving the performance of lightweight materials to reduce component mass for improved fuel economy. Sachdev has 60 external publications and eight patents. He has received Best Paper Awards from the American Foundry Society and TMS. Sachdev is a Key Reader of *Metallurgical and Materials Transactions* and was

most recently instrumental in setting up three GM Collaborative Research Labs at Brown University, Indiana Institute of Science, and Shanghai Jiao Tong University. *Page 24.*

Stoudt, Mark R. became a TMS member in 1983. Graduating with his Ph.D. from John Hopkins University in Materials Science and Engineering in 2000, he currently works at the National Institute of Standards and Technology as a Materials Research Engineer. *Page 23.*



Van Bael, Albert graduated with a Ph.D. in Applied Sciences Materials Engineering at the Katholieke Universiteit Leuven in Belgium, where he also became an Associate Professor. Van Bael joined TMS in October 2011. *Page 37.*



Van Houtte, Paul R. earned his Ph.D. in Metallurgy at the Katholieke Universiteit Leuven in Belgium where he is also a Full Professor. Van Houtte has attended several TMS conferences at which he was a speaker (contributed and invited lectures). In the 1990s, Van Houtte was a member of the Texture and Anisotropy Committee of TMS-ASM. *Page 37.*



Weinberger, Christopher R. is a Harry S. Truman Fellow at the Sandia National Laboratories in Albuquerque, New Mexico. He graduated with his Ph.D. in Mechanical Engineering from Stanford University in 2009. *Page 33.*

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