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JOM AUTHORS AND ADVISORS

Bearne, Geoff is Director of Primary Metal Technology and R&D for Rio Tinto Alcan. He is a mechanical engineering graduate from City University (London) and has 30 years experience in the aluminum industry. After eight years at Dubai Aluminium Ltd., Bearne joined Rio Tinto in 1989 and was General Manager of the Rio Tinto Alcan Research Centre in Melbourne, Australia, before moving to France in 2009. He has been a member of TMS since 1989, was Chairperson of the TMS Aluminum Committee in 2012, and editor of *Light Metals 2009*. He is currently the Aluminum Committee advisor to *JOM*.

Cardona, Nubia is with Kingston Process Metallurgy, Kingston, ON, Canada. She earned her Ph.D. in 2011 in Metallurgical Engineering from Concepcion University in Chile. Cardona is a new member of TMS.

Coursol, Pascal is technical director at Aluminerie Alouette, Sept-Iles, Quebec, Canada. He received his Ph.D. in 2004 in Chemical Thermodynamics from École Polytechnique de Montréal. Coursol has published several articles in *JOM* and in *Metallurgical and Materials Transactions*. During his seven-year membership with TMS, he has been involved with the review committee of *Metallurgical Transactions*.

Fang, Zhigang Zak is a faculty member of Metallurgical Engineering at the University of Utah. His research experience and expertise include powder metallurgy

titanium, cemented tungsten carbide, polycrystalline diamond and other hard materials, and advanced metal hydride for hydrogen storage as well as thermal energy storage applications. He has a Ph.D. in Materials Science and Engineering from the University of Alabama at Birmingham and M.S. and B.S. degrees from the University of Science and Technology Beijing. Prior to joining the University of Utah, he was a Director of Materials R&D for Smith Technology of Smith International Inc.

Mackey, Phillip J. is a retired principal engineer from Xstrata Nickel in Kirkland, QC, Canada. He is the *JOM* advisor from the Pyrometallurgy Committee. He earned his Ph.D. in Metallurgical Engineering from the University of New South Wales in 1970. Mackey is a 46-year member of TMS; was named a TMS Fellow in 2010; received the Extraction & Processing Division Science Award in 2007; and was an organizer of the Copper'99/Cobre'99 conference in 1999.

Parra, Roberto A. is with the Department of Metallurgical Engineering at the University of Concepcion in Chile. He earned his Ph.D. in 1990 in Engineering and Materials Science from the Institut National Polytechnique de Grenoble. Parra is a seven-year member of TMS.

Peretti, Michael W. is Director of Advanced Programs at GE Aviation in Newark, Delaware. He earned his M.Sc. in 1999 in material science at the University of Pittsburgh. Peretti is a 19-year member of TMS and serves as the Struc-

tural Materials Division Titanium Committee advisor to *JOM*.

Peter, William H. is a leader of the Materials Processing & Manufacturing Group at Oak Ridge National Laboratory. He earned his Ph.D. in Materials Science and Engineering in 2005 at the University of Tennessee. Peter is a two-year member of TMS.

Sachdev, Anil K. started his career in 1977 with the GM Research Labs after receiving his Doctorate in Materials Science and Engineering from the Massachusetts Institute of Technology, his M.Sc. in Metallurgical Engineering from Purdue University, and B.Sc. in Metallurgical Engineering from Banaras Hindu University in India. He is currently Research Fellow and Lab Group Manager in the Chemical Sciences and Materials Systems Lab at GM Global Research and Development and leads advanced structural materials projects for next-generation lightweight body and powertrains. His research interests include microstructure design to improve the performance of aluminum and magnesium alloys, metal matrix-composites, and high strength steels to reduce component mass for improved fuel economy. Sachdev has 70 external publications and 10 patents. He has received Best Paper Awards from the American Foundry Society and TMS and is a Key Reader for *Metallurgical and Materials Transactions*. Most recently he was instrumental in setting up three GM Collaborative Research Labs at Brown University, Indian Institute of Science, and Shanghai Jiao Tong University. Sachdev is a four-year member of TMS.

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