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One cannot overestimate the importance of numerical computer modeling capabilities in our highly digitized world. Some commercial software packages enable users to create highly specialized proprietary application software (apps), which can be included into equipment packages. Such apps are already a reality, because some induction manufacturers have incorporated proprietary software tools into their equipment packages. There is a strong indication that this tendency will continue to grow.

The ASM Heat Treating Society's Research and Development Committee currently is working on the Heat Treat R&D Roadmap 2030, which will help identify and categorize technology development pathways for cost efficient, environmentally friendly, and globally competitive heat treat technologies and materials.

#### **Valery Rudnev, FASM, IFHTSE Fellow**

Director, Science and Technology, Inductoheat Inc.

### **HTS NAMES NEW BOARD MEMBERS FOR 2019**

The Heat Treating Society (HTS) board, at the recommendation of the HTS Awards and Nominations Committee, named new officers including **Lesley Frame** to serve as vice president for the 2019-2021 term; **Douglas Puerta** and **Robert Madeira** to serve on the HTS Board for the 2019-2022 term; **Michael Brant** to serve as emerging professional board member for the 2019-2020 term; and **Noah Tietsort** to serve a second term as student board member for the 2019-2020 term. **Robert Cryderman** has been reappointed to serve a second term as secretary during 2019-2021. Terms begin October 1. Continuing on the board are **Benjamin Bernard**, **Chuck Faulkner** (member), **Marc Glasser** (member), **Fred Hamizadeh** (member), **Deidra Miner** (member), and **Thomas Wingens** (member). **Jim Oakes** becomes past president and **Eric Hutton** becomes president on October 1. Leaving the board are **Steve Kowalski** (past president), **Joseph Powell** (member), **Olga Rowan** (member), and **Joseph Fignar** (emerging professional board member).



**Eric Hutton** is vice president of operations, Aerospace, Defense and Energy (ADE) North America East for Bodycote International. He is responsible for sales and operations for Bodycote aerospace plants located in New England, Ohio, and South Carolina. Before joining Bodycote ADE in 2015, he served as vice president of operations

for Bodycote's North American automotive businesses. His B.A. in marketing is from Bob Jones University, Greenville,

S.C., and his M.S.M. from Walsh College of Accountancy, Troy, Mich. Hutton has 20 years of experience in commercial heat treating, and his background in the automotive and aerospace industries and executive experience with Bodycote provide a valuable foundation for being part of the HTS leadership. He has been involved with HTS activities for many years, including the Heat Treat Conference & Exposition and HTS committees, and is a member of the ASM Detroit Chapter.



**Lesley Frame** is an assistant professor in the materials science and engineering department at the University of Connecticut. Prior to UConn, she was an associate professor in technology management at the University of Bridgeport. Before her academic career, she spent five years at Thermatool Corp. in East Haven, Conn., as director of product development and manager of materials engineering and product development. Frame received her B.S. from the department of materials science and engineering at Massachusetts Institute of Technology, and her M.S. and Ph.D. from the University of Arizona (UA) in the same field. She remained at UA as a postdoctoral researcher with The Arizona Research Institute for Solar Energy. In 2011, Frame conducted research at Cardiff University and the Rutherford Appleton Laboratory as a Fulbright Scholar. Frame is chair of the Heat Treat Society Technology and Programming Committee and chair of ASM's Women in Materials Engineering Committee.



**Douglas Puerta** is CEO at Stack Metallurgical Group, Portland, Ore. Puerta earned his B.A. in chemistry from Franklin & Marshall College in 1995 and his M.S. in materials science and engineering from Lehigh University in 1997. He held engineering positions at Ion Bond, PMI, and Buehler Ltd., before joining IMR Test Labs in 2002 as manager of metallurgical services and later was promoted to director of metallurgical engineering. In 2008, he became the laboratory director for IMR KHA - Portland. Puerta completed a joint MBA program through Cornell University and Queen's University in 2009. In 2017, he moved into manufacturing as operations manager with Precision Castparts. He returned to heat treating in 2018 as CEO of the Stack Metallurgical Group. Puerta has served as chair of ASM's Twin Tier Chapter, treasurer of the ASM Oregon Chapter, and president of ASM's Thermal Spray Society.