
About the New Lead Editor



Dr. André McDonald, University of Alberta, has been named Lead Editor of the *Journal of Thermal Spray Technology* (JTST), announced Dr. Armelle Vardelle, FASM, newly appointed editor-in-chief of JTST, and Dr. Robert C. Tucker, Jr., FASM, TS HoF, chair of the JTST Editorial Committee. Dr. McDonald is chairman of the ASM Thermal Spray Society Training Committee, the Lead Editor of the 2015 International Thermal Spray Conference Proceedings, and has served as a guest co-editor of the Journal.

Currently an Associate Professor in the Department of Mechanical Engineering at the University of Alberta, Dr. McDonald received his BSME from the City College of New York (CCNY) in 2001, where he was the Dupont Mechanical Engineering Distinguished Graduate and won the Peggy Benline, Eliza Ford, and ALCOA awards. He was awarded his MSME from that same institution in 2002. He received his Ph.D. from the University of Toronto in 2007, followed by a short post-doctoral fellowship at the Industrial Materials Institute - National Research Council Canada (IMI-NRC) in Boucherville, Québec.

Dr. McDonald's current research includes the development of flame-sprayed coatings to provide wear and erosion resistance and to provide heating and structural health monitoring to polymer-based airfoil structures. In the area of cold-spraying, he has been working to develop a variety of metal matrix composite coatings with alumina or tungsten carbide as the reinforcing particle material. Since 2006, his work has resulted in 33 peer-reviewed journal articles, 39 conference articles, a textbook on the practical design of thermo-fluids systems, an industrial manual for thermal spraying for the oil and gas industry, 26 industrial reports, and several awards including the International Thermal Spray Conference and Exposition Best Paper Award, the Harold C. Simmons Best Paper Award from ILASS-Americas, the Composites Conference Best in Track Technical Paper Award for Manufacturing, and the Association of Professional Engineers and Geoscientists of Alberta's Early Accomplishment Award. Since becoming a professor, Dr. McDonald has trained 50 students, at both the graduate and undergraduate levels, in the areas of thermal spraying and/or heat transfer.