

OTHER SCIENTIFIC and PROFESSIONAL ACTIVITIES

Lead member of International Scientific or Industrial Organizations

- Vice President of ASM International Thermal Spray Society (TSS) - from October 2020 to present.

Referee for International Materials Science and Engineering Journals and Scientific Organizations

- Referee for the Journal of the American Ceramic Society, Surface and Coatings Technology, Journal of Thermal Spray Technology Journal of Materials Engineering Performance and ASME TurboExpo Conference (reviewed proceedings).
- Referee for the New Beginnings Initiative – Ideation Fund of the NRC - This initiative invites individual NRC researchers and technical officers to pursue self-directed research projects. These one-year projects explore ideas and advance new technologies, and provide opportunities to collaborate with other research organizations (2020).

Award Committee Member

- Best Paper Award Committee Member: Journal of Thermal Spray Technology, 2007, 2017, 2018 and 2019.
- ASM International – Thermal Spray Society (TSS) Vice-Chair of the Award Committee (2009-2011).

Lead Role in Conference and Symposium Organization

- Conference Committee Member: International Thermal Spray Conference 2011-2020 (ITSC 2011-2020) - Symposium Chair: Advanced Coatings for the Aerospace Industry, ITSC 2015, ITSC 2018 & ITSC 2021 – joint symposium with AeroMat.
- Symposium Co-Organizer - ITSC 2021 Preview: Coatings for Anti Bacteria, Virus and Fungus Applications, ASM-TSS virtual event (webinar), June 18, 2020.
- Symposium Co-Organizer Main Chairman: ASM-TSS Thermal Spray of Suspensions & Solutions Symposium + EBCs 2019 (TS4+E 2019), Boucherville, QC, Canada, 2019.
- Symposium Co-Organizer Main Chairman: ASM-TSS Thermal Spray of Suspensions & Solutions Symposium 2017 (TS4 2017), Niskayuna, NY, USA, 2017.
- Symposium Co-Organizer Main Chairman: ASM-TSS Thermal Spray of Suspensions & Solutions Symposium 2015 (TS4 2015), Montreal, QC, Canada, 2015.
- Symposium Chairman: ASM-TSS and NACE International Practical Solutions for Wear & Corrosion Problems, Sao Paulo, SP, Brazil, 2010.
- Chairman for the Technology Session of the ASM-TSS Aerospace Coatings Symposium, Hartford, CT, USA, 2008.
- Champion and Chairman for Nanostructured Coatings at the International Thermal Spray Conference 2006 and 2007 (ITSC 2006 and 2007).
- Columnist for the Journal of Thermal Spray Technology, ASM International, Materials Park, OH, USA (1998-2004).

Membership

ASM International / Thermal Spray Society (TSS), Materials Park, OH, USA (since 1995) – membership # C-00223071

Social Media R&D Presentations (e.g., Youtube)

- R. S. Lima, Understanding How Much Thermally Sprayed Thermal Barrier Coatings (TBCs) Protect Jet Engines against Major Failure: A Tutorial Presentation – Australian Research Council – Surface Engineering for Advanced Materials (ARC-SEAM) Webinar Series, Melbourne, VIC, Australia: <https://www.youtube.com/watch?v=fYCBKrWXqxc> (September 9, 2020).