



**Dr. Bertrand Jodoin**

Professor, Department of Mechanical Engineering  
University of Ottawa

**Bertrand Jodoin** is a professor in the Department of Mechanical at the University of Ottawa. He is a member of ASM and Thermal Spray Societies and has recently received an ASM Fellowship for his contribution to the field of Cold Spray Additive Manufacturing. Dr. Jodoin is the director of the uOttawa Cold Spray laboratory (founded in 1998) and is known to be the Canadian academic pioneer in the area of Cold Spray, having developed the first Cold Spray system in Canada. His broad research interest is in thermal spray technologies and surface engineering as well as additive manufacturing and computational fluid dynamics and the application of Artificial Intelligence to thermal spray

technologies. His pioneering work on the development of the Cold Spray process and its fundamental understanding has led to many international academic and industrial collaborations and technology transfer activities. Professor Jodoin has published over 200 journal and conference papers in top-tier international journals. He has also been granted many patents on Cold Spray developments and applications. He has supervised/co-supervised over 100 highly qualified personnel. Dr. Jodoin is an active member and team leader of the Green-SEAM Canadian strategic network. Professor Jodoin is one of the few Canadian academics to be listed on Stanford's list of top 2% of most-cited scientists in Thermal Spray field. He has won the 2019 and 2021 Best Paper Award from the Journal of Thermal Spray Technology as well as being listed in the top 5 papers of the year in 2016, 2017 and 2018, and his work has been selected for the 2018 Springer Nature Editor's Special Selection, "Change the World - One paper at the time" for outstanding contributions to the field in a special edition of Springer Nature. Dr. Jodoin is also the recipient of MITACS Award for Exceptional Leadership - Professor in 2016, awarded to an academic supervisor with an exemplary record of developing collaborations with industry and other partners, providing valuable research and training experiences for his/her interns and initiating research projects with significant outcomes. Dr. Jodoin has also received the J.V. Marsh award for excellence in teaching. Dr. Jodoin has co-founded with the help of Charles Kay and Dr. Rogerio Lima the ASM-TSS Open Mic Series to help graduate students from across the world to stay in touch with Thermal Spray experts during the pandemic and the series will enter into its third year despite the end of the pandemic due to its great success and support from thermal sprat experts from across the world.