



BRIEF BIO OF Dr. KRISHNA CHALLAGULLA

Dr. Challagulla completed his undergraduate degree in Mechanical Engineering from Manipal Institute of Technology (MIT) in 1998 and a PhD from the Department of Mechanical Engineering, Dalhousie University (Canada) in 2006. Following his PhD program, he worked as a Research Associate at Tulane University (USA) and as a Postdoctoral Research Associate at Composite Materials and Structures Laboratory, McGill University (Canada). He joined Laurentian University as an Assistant Professor in 2009. He became the Graduate Program Coordinator, Bharti School of Engineering at Laurentian University in July 2015 and pioneered course-based master's program at Laurentian University. He is currently the program coordinator for fast-track (course-based) master's program at Laurentian University. He is involved in the accreditation of the graduate program in Bharti School of Engineering at Laurentian University. He served as a member and chair of numerous committee and initiatives at Laurentian University. He is a member of the Ontario Associate Deans (Engineering) of Graduate Studies from July 2015. He has published articles in high impact journals, 1 book chapter and 1 patent and served as organizing committee member, session chair and presented keynote presentations at highly attended conferences. He is a fully licensed Professional Engineer in the Province of Ontario since April 2011. He is a member of Canadian Society for Mechanical Engineering (CSME), Materials Research Society (MRS) and International Committee on Composite Materials (ICCM).

Dr. Challagulla areas of research include analytical, numerical, and experimental characterization of composite structures, multifunctional materials, piezoelectric porous and composite structures, and magneto-electro-thermo-elastic composites, experimental characterization of natural and biocomposites, biomimetics, energy harvesting from renewable energy sources, additive manufacturing, and numerical simulation of static and dynamic behaviour of rock bolts for underground mine support systems.