Principal Activities:

Dr. Packirisamy’s research area is in the area of MEMS based sensors, Optical BioMEMS, Microphotonicics, Integration of Microsystems and Micro-Nano integration.

Biography:

Dr. Packirisamy received his PhD degree from Concordia University, Mechanical Engineering in 2000, MS from Indian Institute of Technology, Madras, India, Mechanical Engineering, 1990, his B.Eng from the University of Madras, India, Mechanical Engineering 1986. Dr. Packirisamy is a Professor and Concordia Research Chair on Optical BioMEMS in the Department of Mechanical and Industrial Engineering, Concordia University, Canada. He is the recipient of Fellow of American Society of Mechanical Engineers, Fellow of Institution of Engineers India, Fellow and I.W.Smith award from Canadian society for Mechanical Engineers, Concordia University Research Fellow, Petro Canada Young Innovator Award and ENCS Young Research Achievement Award. An author of more than 330 articles published in journals and conference proceedings, he has eleven inventions in the area of microsystems.

Recent Journal Papers Related to Aerospace:

1. "Nano-islands integrated evanescent-based lab-on-a-chip on silica-on-silicon and PDMS hybrid platform for detection of recombinant growth hormone", Biomicrofluidics 6, 046501, 2012.