

Departmental Seminar Announcement

Rapid Prototyping of Multi-lengthscale Materials for Biosensing Applications

Dr. Leyla Soleymani

**McMaster University
Department of Engineering Physics**

Abstract:

Since its commercialization in the 1980's, the glucose biosensor has played a vital role in patient-centered management of diabetes. Motivated by this success, there is a major research effort towards developing a wide range of handheld biosensors for health monitoring and disease management. In this talk, I will provide an overview of the scientific and technological challenges behind biosensor development. I will then discuss the progress made in our lab towards designing and prototyping application-specific and multi-lengthscale materials for biosensing.

Biography:

Leyla Soleymani obtained her PhD degree in Electrical Engineering from University of Toronto in 2010, and she has been assistant professor at the Department of Engineering Physics and the School of Biomedical Engineering at McMaster since 2011. She is currently the Canada Research Chair in Miniaturized Biomedical Devices and has won the the Early Researcher Award in 2016. She is working towards making new materials and methods for creating point-of-care and continuous monitoring biosensors

Date: Friday, December 2, 2016

Time: 11:00 am to 12:00 pm

Location: GL-100 MMC (Live)

Marine Sciences Building Room 105 (MSB-105) – BBC (via Polycom)

