MERCon2015 Workshop on Modeling and Simulation of Micro/Nano Structures for MEMS/NEMS Based Sensors and Actuators

7th April 2015 at the Department of Mechanical Engineering, University of Moratuwa.

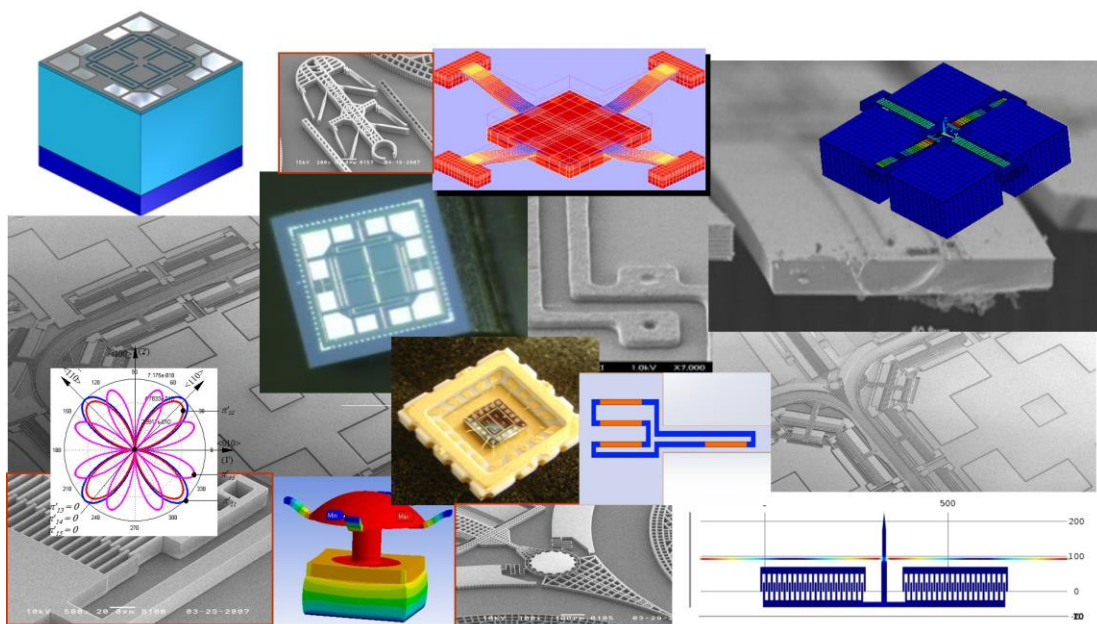|	
Content	This workshop introduces Micro/Nano Electro Mechanical Systems (MEMS/NEMS) and teaches the process of FEM/FEA for modelling and simulation of Micro/Nano structures for MEMS/NEMS based Sensors and Actuators using ANSYS-Multiphysics and COMSOL-Multiphysics FEM tools.
Target Audience	Postgraduate students, scientists, and professional engineers who plan to use FEM/FEA tools for designing and development of Micro/Nano Structures, Devices and Systems.

Only 10 participants are accepted

Registration	Contact Isuru (+94713412243) and book your seat.

Programme

Time	Topics	Resource Person
09:00am -09:15am	Introduction to MEMS/NEMS.	Dr. Y W R Amarasinghe
09:15am - 10:15am	Demonstration on Finite Element Analysis using ANSYS.	Mr. Tharindu Miyanawala
10:30am - 11:15am	Design & Simulation of an Electrostatic Micro Actuator using COMSOL Multiphysics.	Mr. NRAAR Wijesiri
11:15am -12:00pm	Microstructures for MEMS/NEMS based Sensors using COMSOL Multiphysics.	Mr. TDI Udayanga

Organized by:	Micro/Nano Electro Mechanical Systems (MEMS/NEMS) & Mechatronics Laboratory, Department of Mechanical Engineering, University of Moratuwa.