

SEMINAR



Speaker: Dr. Bandar Hakim

Department of Electrical and
Computer Engineering,
King Abdulaziz University

Dr. Bandar Hakim received his Ph.D. degree in Electrophysics from the University of Maryland in College Park. He has extensive knowledge and experience in medical technology, sensor design, compliance testing and numerical simulation. Dr. Hakim has worked with the Medical Robotics group at the École Polytechnique Fédérale de Lausanne in Switzerland, the Neurology department at Mount Sinai School of Medicine and the FDA/Center for Devices and Radiological Health in the US.

Date: Monday, March 30, 2015

Time: 1:00PM

Venue: Engineering Building, Second floor,
Room 24C28 (ECE Seminar Room)

Title Medical Robotics

Abstract

Medical robotics have woven in medical care in a major way. Driven by the need for safer more precise procedures and reducing the patient stay in hospitals, robotic surgery and instruments for minimally-invasive interventions are domains of intense activity and high growth potential in the near future. This talk aims to provide an overview of medical robotics, ranging from "tentacle-like" robots that are the diameter of needles to swallowable endoscopic capsule robots that can accomplish surgery in the intestines. These areas bring us into close contact with surgeons and hospitals, and exciting opportunity for open-minded and skilled engineering professionals.

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