BME Seminar

Friday, February 5th, 2016

UTEB 150 at Storrs & Videoconferenced to UCHC CG-079B
12:00-12:50 pm  *Refreshments will be served*

Peri-operative Monitoring in 2016 and Beyond
Dr. Joseph McIsaac

Abstract: Basic physiologic monitors used during surgery (EKG, blood pressure, pulse oximeter) as well as advanced monitoring techniques such as bispectral Index (BIS) and transesophageal echocardiography will be discussed. Future directions for monitoring will be covered, including clinical applications of signal processing, physiologic models, and control theory.

Bio: Dr. Joseph (Jay) McIsaac is a practicing cardiac and pediatric anesthesiologist at UConn, Hartford Hospital, and Connecticut Children's Medical Center. He is also a graduate biomedical engineer with experience in instrument R+D. As Chief of Trauma Anesthesia at Hartford Hospital and the Disaster Preparedness Chair for the American Society of Anesthesiologists, he has developed protocols for trauma mass casualty care as well as the management of epidemic diseases such as Ebola. Dr. McIsaac also hold graduate certificates in Leaderships and Management, Terrorism Studies, and is presently working on an MBA. His latest book, Essentials of Disaster Anesthesia, is expected this summer.