

# Medical Robotics & Simulations

10:00-10:45 Προσέλευση - Εγγραφές

10:45-10:50 Χαιρετισμός

## Session 1: Medical Simulations

10:50-11:20 "Robots, Virtual Robots and Virtual Physiological Humans"

**Κωνσταντίνος Μουστάκας**, Επίκουρος Καθηγητής τμήματος Ηλεκτρολόγων Μηχανικών & Τεχνολογίας Υπολογιστών Π.Π.

11:20-11:50 "Mechanosensing, Mechanotransduction and Skeletal Biology in Health and Disease"

**Διονύσιος Παπαχρήστου**, Επίκουρος Καθηγητής Ιατρικής Σχολής Π.Π.

### ΔΙΑΛΕΙΜΜΑ

## Session 2: Medical Robotics

12:10-12:30 "Surgical Robotics"

**Αντώνιος Τζεζ**, Καθηγητής τμήματος Ηλεκτρολόγων Μηχανικών & Τεχνολογίας Υπολογιστών Π.Π.

12:30-13:15 "Robotically-assisted Minimal Invasive Surgery"

**Guang-Zhong Yang**, Director, Robotic Assisted Microsurgery Lab | Deputy Chair, Institute of Global Health Innovation Imperial College, London

13:15-13:30 Ερωτήσεις



Professor Guang-Zhong Yang is director and co-founder of the Hamlyn Centre for Robotic Surgery and Deputy Chairman of the Institute of Global Health Innovation (IGHI), Imperial College. Professor Yang also holds a number of key academic positions at Imperial – he is Director and Founder of the Royal Society/Wolfson Medical Image Computing Laboratory, co-founder of the Wolfson Surgical Technology Laboratory, and Chairman of the Centre for Pervasive Sensing. He is a recipient of the Royal Society Wolfson Research Merit Award and the I.I. Rabi Award from the International Society for Magnetic Resonance in Medicine. His main research interests are in medical imaging, sensing and robotics. He is internationally recognized for his innovations and clinical applications of MR imaging and flow quantification and pioneering effort in perceptual docking for robotic control and Body Sensor Network (BSN).

**Υπεύθυνος Επικοινωνίας: Αλέξανδρος Α. Κόγκας**

Ανδρέα Εμπειρίκου 41 - Τηλ.: +30 698 34 40 352 - Fax: +30 2610 643 327 - E-mail: [akogkas@ieee.org](mailto:akogkas@ieee.org) - site: [ieee-upatras.gr](http://ieee-upatras.gr)