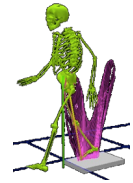




WORKSHOP ON ADVANCES IN GAIT ANALYSIS AND ORTHOPEDICS¹



Tuesday November 13, 2012

Faculty of Mechanical Engineering and the Biomechanics Lab
Mechanical Engineering Auditorium (Lady Davis Bldg., Room 250)
Technion – Israel Institute of Technology

Workshop Co-Chairs:

Prof. Moshe Salai, The Tel Aviv Sourasky Medical Center , Prof. Alon Wolf, Technion Israel Institute of Technology

8:30-9:00	Refreshments
9:00-9:20	OPENING and WELCOMING REMARKS <i>Prof. Peretz Lavie</i> , President, Technion <i>Prof. Pinhas Bar-Yosef</i> , Dean, Faculty of Mechanical Engineering <i>Prof. Moshe Salai</i> , Workshop Co-Chair
9:20-10:05	What has Gait Mechanics Taught Us about Knee Osteoarthritis? <i>Prof. Tom Andriacchi</i> , Stanford University
10:05-10:45	Forensic Gait Analysis <i>Dr. Haydn Kelly</i> , London Medical Centre
10:45-11:10	COFFEE BREAK
11:10-11:30	Forensic Gait Analysis – Case study <i>Dr. Haydn Kelly</i> , London Medical Centre
11:30-13:10	SESSION I – Prof. Moshe Salai, Chair <ul style="list-style-type: none">• Tissue engineering and regenerative medicine <i>Prof. Dror Seliktar</i>, Technion• Phospholipid liposomes as a potential joint biolubricant and cartilage wear reducer for treatment of osteoarthritis: from a basic research to a clinical trial <i>Prof. Chezy Barenholtz</i>, Hebrew University• Biomechanical Aspects in Hip Surgery <i>Dr. Steven Volks</i>, Rabin Medical Center• Biomechanical Aspects in Spine Surgery <i>Dr. Uri Keinan</i>, Tel Aviv Medical Center• Biomechanical Aspects in Knee Surgery <i>Dr. Ronen Debbi</i>, Barzilai Medical Center
13:10-14:15	LUNCH
14:15-15:00	A Systems Approach to Probing the Complexity of Osteoarthritis <i>Prof. Tom Andriacchi</i> , Stanford University
15:00-16:20	SESSION II – Prof. Alon Wolf, Chair <ul style="list-style-type: none">• Multi-scale modeling and FE analysis of bone micro-scale scaffolds <i>Prof. Anath Fischer</i>, Technion• Automatic human activity recognition in video <i>Prof. Lihi Zelnik Manor</i>, Technion• Kinetic adaptation during locomotion on a split-belt treadmill <i>Prof. Amir Karniel</i>, Ben-Gurion University of the Negev• Effect of foot center of pressure manipulation on Knee Osteoarthritis <i>Dr. Amir Haim</i>, Tel Aviv Medical center and the Technion
16:20-16:30	Closing Remarks and refreshments: Prof. Salai and Prof. Wolf

¹ Please RSVP to: gait.ortho.technion@gmail.com , Registration is free, Lunch not included