Please mark your calendar:

Workshop on Advances in Gait Analysis and Orthopedics[1]

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

Technion 13/11/2012 (9:00-17:00)
Faculty of Mechanical Engineering and the Biomechanics Lab

Invited international speakers:

Prof. Thomas (Tom) Andriacchi

Director of the BioMotion Laboratory, Stanford University
Recipient of the Israel Polac Distinguished Lecture Series Award
will deliver two lectures:

- What has Gait Mechanics Taught Us about Knee Osteoarthritis?
- A Systems Approach to Probing the Complexity of Osteoarthritis

Dr. Haydn Kelly

Member of the Board of the Faculty of Podiatric Surgery, UK
London Medical Centre
will lecture on:

- Forensic Gait Analysis

followed by a case report on one of his famous crime solutions

Invited (local) speakers

(To be published soon with workshop program and information)

Please RSVP (for nametag and planning purposes) to:
gait.ortho.technion@gmail.com

[1] Participation in the workshop is **free of charge**

About the invited international speakers:

Thomas P. Andriacchi

Thomas P. Andriacchi, Ph.D., holds a joint appointment as Professor in the Departments of Mechanical Engineering and Orthopedic Surgery. He is the former chair of the Biomechanical Engineering Group in Mechanical Engineering, He came to Stanford University in 1998 from the Department of Orthopedics at Rush University in Chicago where he was Associate Chairman for Research and held the Claude N. Lambert, M.D.-Helen S. Thomson Endowed Chair. He is a past member of the Editorial Board for the *Journal of Biomechanics* and served on the Board of Associate Editors for the *Journal of Orthopedic Research*. He is Past President of the American Society of Biomechanics and past Secretary-Treasurer for the Orthopedic Research Society and a former member of the Board of Directors of the Bioengineering Division of the American Society of Mechanical Engineering.

Among his honors, Dr. Andriacchi has twice received the Kappa Delta Award, the highest award of the Orthopedic Research Society. The first award was in 1983 for his research on the biomechanics of total knee replacement that has led to improvements in total knee arthroplasty that produced better patient function. The second award in 2004 was for his work on research on anterior cruciate ligament injury (a common sports injury to the knee) that work helped define factors affecting the treatment of anterior cruciate ligament-deficient knees with lower limb malalignment and associated ligamentous instabilities. He has also been part of teams that won the American Orthopedic Society for Sports Medicine Excellence in Research Award and the Knee Society Mark Coventry Award. His career achievements in Biomechanics were recently recognized with the Borelli Award, the highest award of the American Society of Biomechanics (2004) and the HR Lissner Medal award by the American Society of Mechanical Engineers in 2009 for lifetime contributions to bioengineering. He is the author of more than 170 original papers, over 400 abstracts and numerous book chapters.

Professor Andriacchi's research focuses on the biomechanics of human locomotion and its biomedical applications. His Biomotion Laboratory has taken a multidisciplinary approach to study osteoarthritis and the mechanics of sports injury. The laboratory address biomedical research across scales by studies that examine the interaction of cell biology and biomechanics of movement. Current Biomotion Lab projects include a study of biomarkers for osteoarthritis; imaging studies of knee cartilage, knee kinematics and the initiation of osteoarthritis; the mechanics of anterior cruciate ligament (ACL) injury/treatment and the causes of premature osteoarthritis following ligament and meniscus injury. The Laboratory conducts translational research to development interventions for the prevention of ACL injury and osteoarthritis at the knee. The Biomotion Laboratory is also recognized as a leader in the development of new methods for the capture of human movement.

Haydn D. Kelly

In July 2000 Haydn Kell, FCPodS, BSc, DPodM, created a world first in presenting Gait Identification evidence at the Old Bailey Central Court as reported on the front page of The Independent newspaper on 13/07/2000 and as verified in Guinness world records (2009). He has since continued to successfully provide Gait Identification in many matters and now continues working with extending the uses of Gait recognition including IT processing capabilities.

He is a consultant at the London Medical Centre in Harley Street with over 20 years' experience in diagnosing and treating musculoskeletal and Gait disorders including professional sport; a fellow of the college of podiatric surgery and elected member of the faculty board; an examiner for the MSc in Forensic Medical Sciences at University of London; examiner for the Diploma in Forensic Human Identification at the Faculty of Forensic & Legal Medicine of the Royal College of Physicians and a clinical adviser to the parliamentary healthcare ombudsman.