

Program

December 5th

09:00 – 12:00

@ LABIOMEPEP



Workshop*: Xsens – An inertial-based tool for gathering kinematical data in uncalibrated spaces: industry, entertainment and movement science.

Speakers: Staff Xsens

14:30 – 17:00

@ LABIOMEPEP



Workshop*: Surface EMG and EMGdecomp in the assessment of muscle activity and control.

Speaker: Prof. Jim Richards (University of Central Lancashire, UK)

December 6th

09:00 – 12:00

@ LABIOMEPEP

 **QUALISYS**
Motion Capture Systems

Workshop*: Integrated kinematics, dynamometry and EMG in Motion Capture (MoCap) based on QUALISYS system.

 **NOVO CORPO**

Speakers: Staff QUALISYS/ NOVO CORPO.

14:30 – 17:00

@ LABIOMEPEP



 **FMH**
FACULDADE DE MEDICINA DA UNIVERSIDADE DE PORTO



 **C-Motion**
Research Biomechanics

Workshop*: Visual3D™ – the basics for advanced motion capture and biomechanical analysis of human and animal movement.

Speakers: Prof. António Veloso (FMH-UTL) and Prof. Scott Selbie (Queen's University, Canada and University of Massachusetts Amherst, USA).

December 7th

09:00 – 13:00

@ Centro de Congressos da Alfândega do Porto

 II INTERNATIONAL CONFERENCE
ON BIODENTAL ENGINEERING



BioDental 2012 – II International Conference on Biodental Engineering.

More info [here](#).

Organization: FEUP, FMDUP, LABIOMEPEP

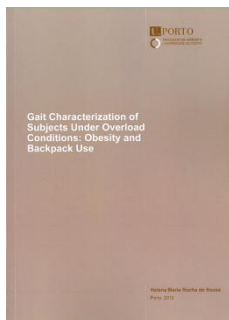
December 7th

10:00 – 16:00

Social program for invited speakers.

10:00

@ Faculty of Sport, University of Porto



PhD thesis public defense

Author: Helena Sousa

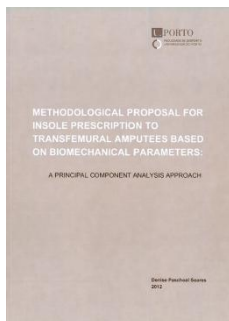
Title: Gait characterization of subjects under overload conditions: obesity and back

Advisors: Rubim Santos and J. Paulo Vilas-Boas

Jury: Orlando Fernandes (UÉvora) and Mário Vaz (FEUP)

14:30

@ Faculty of Sport, University of Porto



PhD thesis public defense

Author: Denise Soares

Title: Methodological proposal for insole prescription to transfemoral amputees based on biomechanical parameters

Advisor: Leandro Machado

Jury: António Veloso (FMH-UTL) and Ronaldo Gabriel (UTAD)

17:30

@ LABIOMEPEP



Formal *in situ* opening of LABIOMEPEP
(formal invitation and confirmation required)



December 8th

15:00 – 20:00

@ Auditorium CIM-FMUP

International Seminar: The future of Biomechanics: industry, clinics and sports (included in BioDental 2012 program)

15:00 – Porto Biomechanics Laboratory: an integrated strategy to cope with future challenges in biomechanical research and application.
(Jorge Gonçalves and J. Paulo Vilas-Boas, LABIOMEPEP, UPorto)

16:00 – EMG-Decomposition: a new tool for electrophysiological evaluation of muscle contraction
(Jim Richards, University of Central Lancashire, UK)

17:00 – Coffee break

17:30 – Visual3D™: the kinematical and inverse dynamics tool for the XXIst century Biomechanics
(Scott Selbie, Queen's University, Canada and University of Massachusetts Amherst, USA)

18:30 – Discussion

19:00 – UPorto Rector closing speech

20:00 – Dinner (formal invitation and confirmation required)