



# ICTE 2009 International Conference on Tissue Engineering

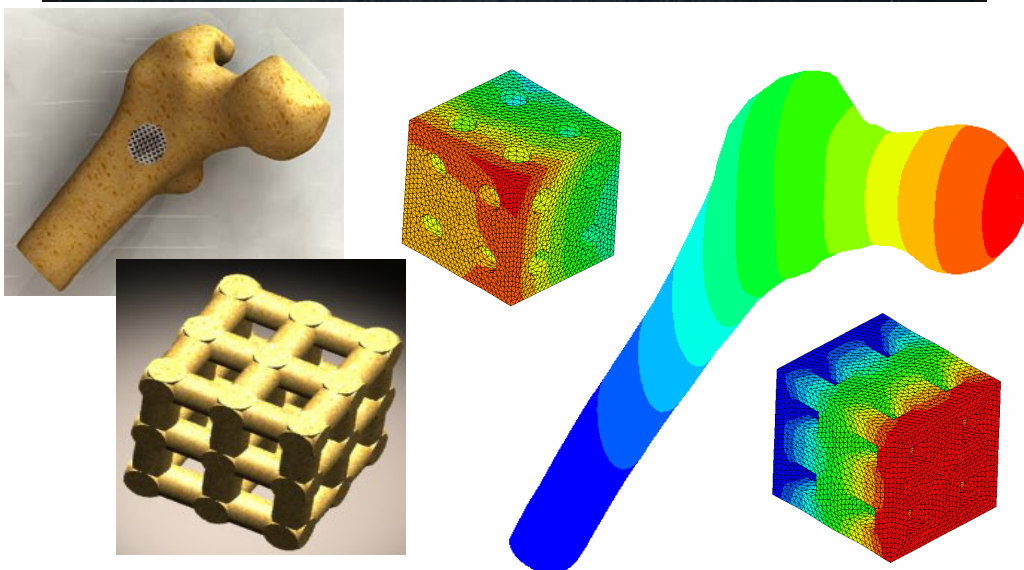
9-11 July 2009, Polytechnic Institute of Leiria, Portugal



## ECCOMAS THEMATIC CONFERENCE INTERNATIONAL CONFERENCE ON TISSUE ENGINEERING

9-11 July, 2009

Polytechnic Institute of Leiria, Leiria, Portugal



[http://www.cdr-sp.ipleiria.pt/index.php/TE\\_home.html](http://www.cdr-sp.ipleiria.pt/index.php/TE_home.html)



# ICTE 2009 International Conference on Tissue Engineering

9-11 July 2009, Polytechnic Institute of Leiria, Portugal

## Conference objectives

Tissue engineering (TE) is a recent, interdisciplinary and multidisciplinary field that has seen intense development in the past few years. It combines efforts from biology, engineering and material science methods, and providing suitable biochemical and physiochemical factors towards the development of biological substitutes to restore, maintain, or improve tissue functions. This novel engineering field covers a broad range of applications, mostly associated to the reparation or replacement of tissue portions or the whole tissue itself (such as bone, cartilage, blood vessels or bladder). These require certain mechanical and structural properties for function properly. In other words, TE involves attempts to mimic specific biochemical functions combining cells within artificially-created support systems (scaffolds).

The purposes of the ECCOMAS Thematic Conference on Tissue Engineering are to communicate the most current ideas and strategies on tissue engineering, being designed to be a major international forum for the discussion of the current state-of-the-art in the field. Therefore, the Conference will focus on:

- Understanding the fundamentals of tissue engineering
- Modelling and characterisation of scaffolds for tissue engineering
- Modelling the relationship between scaffold, cell attachment, proliferation and differentiation
- Design and development of scaffolds for tissue engineering
- Fabrication and testing of scaffolds for tissue engineering
- Cell signaling
- Computational Bone Mechanics

## Conference topics

- Scaffolds design
- Modelling the relationship between scaffold, cell attachment, proliferation and differentiation
- Computer-aided tissue engineering
- Tissue engineering strategies
- Fabrication techniques and biomaterials
- Scaffold characterization
- Animal models
- Clinical application

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## Scientific committee

**Anath Fischer**, Technion, Israel

**Christopher Jacobs**, Columbia University, USA

**Dominique Pioletti**, Biomechanical Orthopedics Laboratory EPFL-HOSR, Switzerland

**Eduardo Borges Pires**, Technical University of Lisbon, Portugal

**Emo Chiellini**, University of Pisa, Italy

**Dietmar Hutmacher**, Queensland University of Technology, Australia

**Federica Chiellini**, University of Pisa, Italy

**Frank Baaijens**, TU Eindhoven, Netherlands

**Gilson Khang**, Chonbuk National University, Korea

**Helder Rodrigues**, Superior Institute of Technology, Portugal

**José Manuel Garcia Aznar**, University of Zaragoza, Spain

**José Simões**, University of Aveiro, Portugal

**Julio San Roman**, Instituto de Ciencia y Tecnologia de Polimeros, Spain

**Manuel Doblaré Castellano**, University of Zaragoza, Spain

**Marcos Antonio Sabino Gutiérrez**, Universidad Simón Bolívar, Venezuela

**Michael Liebschner**, Rice University, USA

**Rui Reis**, University of Minho, Portugal

**Scott Hollister**, University of Michigan, USA

**Suman Das**, Georgia Institute of Technology, USA

**Taiji Adachi**, Kyoto University, Japan

**Thomas Boland**, Clemson University, USA

**Vladimir Mironov**, University of South Carolina, USA

**Wei Sun**, Drexel University, USA

**Zhanfeng Cui**, University of Oxford, UK

## Organizing Committee

**Prof. Paulo Bártolo**, Centre for Rapid and Sustainable Product Development, Portugal

**Prof. Paulo Fernandes**, Instituto Superior Técnico, UT Lisbon, Portugal

## Local Committee

**Prof. Ausenda Mendes**, Centre for Rapid and Sustainable Product Development, Portugal

**Prof. Nuno Alves**, Centre for Rapid and Sustainable Product Development, Portugal

**Mr. Henrique Almeida**, Centre for Rapid and Sustainable Product Development, Portugal

**Mr. Rui Ruben**, Centre for Rapid and Sustainable Product Development, Portugal

**Prof. João Folgado**, Instituto Superior Técnico, UT Lisbon, Portugal

## Registration fee

Early registration fee must be received not later than May, 31, 2009

### Early

IACM/ECCOMAS Members: 370 €

Non-IACM/ECCOMAS Members: 420 €

Students: 175 €

### Late

IACM/ECCOMAS Members: 420 €

Non-IACM/ECCOMAS Members: 470 €

Students: 200 €

## Important dates

Deadline for abstracts: January, 31, 2009

Notification of acceptance: March, 16, 2009

Deadline for papers: April, 30, 2009