



*5-7 July 2010 Paris France*

Organised by:

**Prof. Joao Delgado**  
University of Porto,  
PORTUGAL

# HEAT AND MASS TRANSFER IN POROUS MEDIA

## SPECIAL SESSION



Abstract Submission Deadline  
**22 March 2010**

## HEAT AND MASS TRANSFER IN POROUS MEDIA (SS7)

This Special Session will cover developments in the field of basic and applied research work on the physical and chemical aspects of heat and mass transfer phenomena in a porous medium domain, as well as related material properties and their measurements. The program of the session includes both theoretical and experimental presentations.

### Topics of the Session:

- General: theory, mathematical models and numerical methods
- Single and double diffusive transfer
- Experimental methods (Measurement and Instrumentation)
- Multiphase flow
- Packed beds and reactors
- Porous burners, heat exchangers, fuel cells
- New porous materials and applications
- Industrial applications
- Papers in other relevant areas not listed above related to heat or/and mass transfer are also welcome.

### ABSTRACTS SUBMISSION:

Online: <http://www.dsl2010-paris.com/abstract.html>  
or directly by email to:  
[abstract@dsl2010-paris.com](mailto:abstract@dsl2010-paris.com)



### INVITED TALK

"Analogy Between Convective Heat and Mass Transfer Processes in a Porous Medium and a Hele-Shaw Cell"

Prof. Alexander Gorin

Curtin University of Technology,  
Malaysia



### INVITED TALK

"Hydro-mechanical behaviour of excavations"

Prof. António Topa Gomes

University of Porto,  
Portugal

### contact:

**Prof. Joao Delgado**

University of Porto,  
PORTUGAL

[jdelgado@fe.up.pt](mailto:jdelgado@fe.up.pt)



Universidade do Porto

**FEUP** Faculdade de Engenharia

### DSL-2010 SECRETARIAT AND MANAGEMENT:

Ironix Global Events Consulting Lda  
[www.ironix-conferences.com](http://www.ironix-conferences.com)  
[contact@dsl2010-paris.com](mailto:contact@dsl2010-paris.com)  
[www.dsl2010-paris.com](http://www.dsl2010-paris.com)

### PUBLICATION:

#### JOURNAL OF POROUS MEDIA

by Begell House Publications

<http://www.begellhouse.com/journals/49dcde6d4c0809db.html>

#### SPECIAL TOPICS & REVIEWS IN POROUS MEDIA- AN INTERNATIONAL JOURNAL

by Begell House Publications

<http://www.begellhouse.com/journals/3d21681c18f5b5e7>

#### BOOK:

contributions will be selected for a monograph on 'HEAT AND MASS TRANSFER IN POROUS MEDIA' by Springer in Germany

Papers submitted to DSL-2010 and accepted after review process will be published in the periodical "DEFECT AND DIFFUSION FORUM" (Special Issue) by Trans Tech. Publications: [www.ttp.net/1012-0386.html](http://www.ttp.net/1012-0386.html)

cited in the Conference Proceedings Citation Index - Science (CPCI-S) by ISI Web of Knowledge

