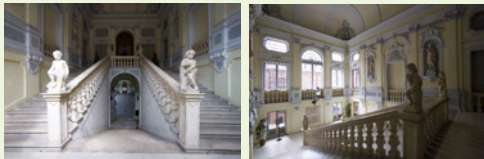




## Symposium Venue

The symposium will be held in the historical great hall of the University of Ferrara which is located within walking distance of the medieval city centre.



Ferrara, which grew up around a ford over the River Po, is one of Italy's greatest Renaissance centres. The splendour of the Este Court age has left indelible signs everywhere: in the colossal Biagio Rossetti's Addizione Erculea project, in the Castle and in all historical monuments. In 1391 was founded the Ferrara University as witness of great intellectual development of the city. From 1995 Ferrara has been included on the UNESCO World Heritage list as "...a marvellous example of a city planned in the Renaissance that has preserved its historic centre intact."

### How to get to Ferrara

**by train:** FERROVIE DELLO STATO, Railway Station, Piazza Stazione ([www.ferroviedellostato.it](http://www.ferroviedellostato.it)).

**by car:** Motorway: A 13 - Bologna - Padova (exits: Ferrara Nord and Ferrara Sud).

**by plane:** 5 airports are located around Ferrara: Bologna (G. Marconi, 45 km from Ferrara), Venezia (M. Polo, 110 km), Verona-Villafranca (Catullo, 100 km), Forli (L. Ridolfi, 120 km), Treviso (A. Canova, 140 km).

## Social events

An exciting social programme will be organised for participants. It will include:

- Welcome party in Imbarcadero halls
- Guided tour of Estense Castle
- Social dinner in halls of San Francesco church



More information about places of interest and entertainment in Ferrara and surrounding area can be found at:

<http://www.sapem2011.org>

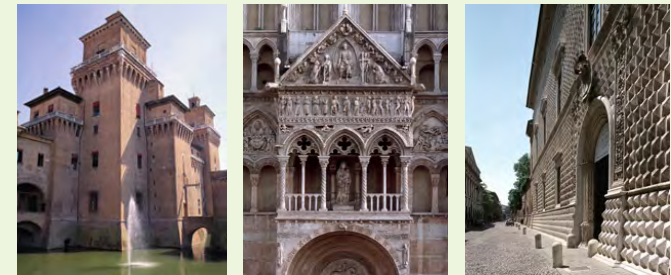
<http://www.unife.it>

<http://www.ferraterreaacqua.it/>

*The University of Ferrara reserves the right to alter the programme if necessary.*

# Symposium on the Acoustics of Poro-Elastic Materials

Acoustic porous media:  
Integration across scales



Ferrara - Italy  
14-15-16 December 2011

## Welcome to SAPEM 2011

The 3rd Symposium on the Acoustics of Poro-Elastic Materials (SAPEM 2011) will be held in Ferrara (Italy) during the 14<sup>th</sup>, 15<sup>th</sup> and 16<sup>th</sup> of December 2011.

## The symposium aims

The understanding and prediction of sound propagation in highly heterogeneous porous materials and composite is becoming of great interest beyond noise control applications. In fact, porous media are investigated in many disciplines such as polymer extrusion, pharmaceutical and food industries, medical research, soils and underwater sediment characterisation. Despite considerable efforts that have been made to understand and model acoustical porous media, a number of unsolved problems still remain. These are problems associated with non-linear effects, multiple pore scales, conflicting demands for inherent material multi-functionality and enhanced sustainability. Therefore, this symposium aims:

- to present the most up-to-date achievements in modelling, characterisation and applications of acoustic porous media,
- to bring together researchers working in adjacent disciplines concerned with porous media,
- to identify future challenges for this area of research and discuss ways to address these challenges.

## Programme

The following non-parallel sessions are proposed:

- characterisation and measurement techniques
- computational methods
- microstructure, morphology and acoustical properties
- non-linear properties
- multi-physics and multi-functionality
- sustainable materials and applications.

A special attention will be paid to reserve time for discussions. A poster exhibition will also be organised.

## Symposium organisers



## Contacts

Postal address:

SAPEM 2011- Engineering Department - University of Ferrara - Via Saragat, 1- Postal code: 44122 Ferrara - Italy

E-mail address:

Scientific secretariat: [info@sapem2011.org](mailto:info@sapem2011.org)  
Administrative secretariat: [convegni@unife.it](mailto:convegni@unife.it)

Website:

[www.sapem2011.org](http://www.sapem2011.org)

## Abstract submission

There is no requirement to submit a full paper. Instead the presenters are expected to submit an abstract of up to 1,500 words (maximum 2 pages) that should include the general details of their work, its novelty, potential significance and a list of relevant publications. The Conference Committee reserves the right to decline papers that are not in line with the objectives of the event.

Presentations will be collected and compiled in the form of formal CD-ROM proceedings. Selected papers will be recommended for publication in a special section of the **Journal of Acustica united with Acta Acustica**, following a standard peer revision procedure.

## Registration

Before October 29<sup>th</sup> 2011 the fee per participant is € 360. A reduced fee of € 192 is available to PhD students. Subsequently fees will be € 420 and € 240 respectively.

The fees include proceedings, lunches and social events.

To reserve a place, please complete a booking form, available at [www.sapem2011.org](http://www.sapem2011.org). No registration will be accepted after December 9<sup>th</sup> 2011, and all fees must be paid by this date.

## Important dates

Deadline for abstract submissions: July 31<sup>st</sup> 2011  
Deadline for early registrations: October 29<sup>th</sup> 2011