

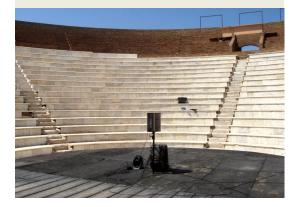




European Acoustics Association



Hellenic Institute of Acoustics



International Conference

The ACOUSTICS of ANCIENT THEATRES

September 18-21, 2011, University of Patras, Conference and Cultural Center, Patras, GREECE

CALL FOR PAPERS

The Conference on *The Acoustics of Ancient Theatres* is the first on this topic and is jointly organized by the European Acoustics Association (E.A.A.) and the Hellenic Institute of Acoustics (HEL.IN.A.) with the assistance of the E.A.A. Technical Committee on Room and Building Acoustics and the Italian Acoustical Association (A.I.A.). The Conference aims to bring together experts to present and discuss all aspects and findings related to the acoustic properties of these unique ancient monuments which are largely located around the Mediterranean region and are often still used for public performances of theatrical plays, drama, speech and music. There is an ever growing interest for the renowned acoustic performance of such outdoor and roofed auditoria which since ancient times have given a significant contribution to the evolution of the art of live performance, being also an important foundation for the science of acoustic communication engineering.

Location

The Conference will be held in the city of Patras, situated is an attractive location in Southern Greece, with access and visits to the famous ancient theatre of Epidaurus and other Hellenistic and Roman era theatres and odeia.

Topics

The Conference program will include keynote speeches, invited presentations in structured sessions, contributed papers, an in-situ acoustics measurement workshop and a demo room with virtual acoustic presentations of ancient theatres and buildings. Prospective authors are invited to submit manuscripts on topics related, but not limited to:

Acoustic modeling and analysis

Sound field analysis of the ancient outdoor theatres Acoustic computer models Design properties and environmental factors

Acoustic measurements

Single channel and multi-channel response measurements Microphone array and binaural measurements

Signal processing and virtual reconstructions

Processing and analysis of responses and soundfield Virtual acoustic reconstruction of ancient buildings

Roofed theatres, odeia and related ritual spaces

Analysis and modeling of roofed theatres

Analysis and modeling of Public and Ritual buildings of the antiquity

Perceptual and qualitative aspects

Speech intelligibility and subjective preference Music performance in the ancient theatres and odeia Spatial and other qualitative aspects of the soundfield

Acoustic Archaeology

Musical instruments of the antiquity
Language and speech-specific aspects of ancient theatre
Comparisons and historic – geographical evolution in theatre design

General Co-chairs

John Mourjopoulos (GR)

Professor, Electrical and Computer Engineering Dept., University of Patras, Vice-President, Hellenic Institute of Acoustics

Stamatis Vassilantonopoulos (GR)

Assist. Professor, Electrical and Computer Engineering Dept., University of Patras

Organising Committee

Michael Taroudakis (GR)

Professor, Dept. of Mathematics, University of Crete, President, Hellenic Institute of Acoustics

Patrizio Fausti (I)

Assoc. Professor, University of Ferrara, Chairman, E.A.A. Technical Committee on Room and Building Acoustics

Dimitris Skarlatos (GR)

Assoc. Professor, Mechanical Engineering Dept., University of Patras

Androniki Chrisafi (GR)

Archaeologist, Administrator, Conference Center, University of Patras

Scientific Committee

Jens Blauert (D)

Emeritus Professor, IKA, Bochum

Michael Vorländer (D)

Professor, RWTH Aachen University, Institute of Technical Acoustics

Jean-Dominique Polack (FR)

Professor, Université Pierre et Marie Curie, Paris Luigi Maffei (I)

Professor, Second University of Naples

Angelo Farina (I)

Professor, University of Parma

Jens Holger Rindel (DK)

Professor, Technical University of Denmark, Odeon A/S

Roberto Pompoli (I)

Professor, University of Ferrara

F. Zehran Yuksel Can (TR)

Professor, Yildiz Technical University, Instabul

George Cambourakis (GR)

Assist. Professor, National Technical University of Athens

Publications Chair

to be announced



Conference Highlights

- Access and visit to outdoor ancient theatres (Epidaurus, the Roman Odeion of Patras and other lesser known ancient theatres)
- In-situ measurement workshop (Roman Odeion of Patras)
- Real-time acoustic rendering workshop with demos and comparison to other ancient theatres, contemporary venues and well-known buildings
- Plenary sessions and presentations for related EU projects
- Invited speakers from related and inter-disciplinary fields
- Structured sessions to cover all aspects and geographical-historical evolution of ancient theatres
- Parallel sessions on other ancient buildings (e.g. roofed odeia) and on acoustic archeology
- Attractive location in the city of Patras, at close proximity to ancient theatres and other important sites (ancient Olympia and Delphi)
- Complementary social program and activities

Important Deadlines

Call for papers and special sessions proposals
Deadline for proposal of special sessions or workshops
Notification of acceptance of special sessions or workshops
Deadline for submission of abstracts
Notification of acceptance of papers

October 15, 2010
January 15, 2011
April 15, 2011
May 1, 2011

Paper format and submissions

Manuscripts will be submitted for Full paper review Length and format to be announced Selected papers to appear in ACTA-ACUSTICA united with ACUSTICA following a peer reviewing process

Please follow announcements on:

http://www.ancientacoustics2011.upatras.gr

