

DAY1 (SUNDAY 18/9/2011) MORNING

from 9.00

REGISTRATION (University of Patras Conference Centre)

10.00 – 16.00

EXCURSION

to Oiniades , Plevrona, ancient theatres

lunch at the town of Messologhi

DAY1 (SUNDAY 18/9/2011) EVENING

19.30

WELCOME RECEPTION – OPENING CEREMONY (Old Municipal Hospital garden, close to Roman Odeion)

Martin Kreeb, archeologist, Assoc. Professor, University of Patras, Greece
Ancient Theatres: Historical and Architectural Development, Spread and Use
(invited)

EXHIBITION: ancient theatre slide show

to run in Old Municipal Hospital room for the duration of the Conference
(open to the general public)

NOTE: a daily coach service will be available to transport participants from hotels to and from Conference venues

DAY2 (MONDAY 19/9/2011) MORNING

from 8.00

REGISTRATION

9.00 – 9.40	PAPER SESSION AP1 Archaeology & Performance
9.00 – 9.20	A. Cocchi , Emeritus Professor, Bologna University, Italy <i>Theatre design in ancient times: science or opportunity?</i>
9.20 – 9.40	Th. Vovolis (invited) , Dramatiska institutet, Stockholm, Sweden <i>Mask, Actor, Theatron and Landscape in classical Greek Theatre</i>
9.40 -10.20	PAPER SESSION AS1 Acoustic Measurements & Signal Processing
9.40 – 10.00	A. Tsilfidis¹, Th. Vovolis², E. Georganti¹, P. Teubner², J. Mourjopoulos¹ ¹ University of Patras, ² Dramatiska institutet, Stockholm, Sweden <i>Acoustic radiation properties of ancient Greek theatre masks</i>
10.00 – 10.20	T. C. Fu, T-C Wang , National Cheng-Kung University, Taiwan <i>Reproduction of Sound Field using a Virtual Loudspeaker Array System</i>
10.20 – 11.00	POSTER SESSION P1 Conference Centre foyer
10.20 – 11.00	G.Cambourakis, A. Sotiropoulou, A. Savvopoulou, G.Poulakos, J.Tzouvadakis, A.Stamos , National Technical University, Athens, Greece <i>Investigations of the Acoustics of the ancient theatre of Epidaurus</i>
10.20 – 11.00	A. M. Torres , Universidad de Castilla-La Mancha, B. Pueo , Universidad de Alicante, J. J. López , Universidad Politecnica de Valencia, Spain <i>Experiments on Room Plane Wave Decomposition for Virtual Acoustics</i>
10.40 – 11.00	Coffee break
11.00 – 12.00	PAPER SESSION AM1 Analysis & Modeling
11.00 – 11.20	N. Haddad , Hashemite University, Jordan <i>Vitruvius and the Acoustics of Ancient Theatre: Analytical and Comparative Study According to Recent Results</i>
11.20 – 11.40	J. Rindel , Odeon A/S, Scion-DTU, Denmark <i>Echo problems in ancient theatres and a comment to the ‘sounding vessels’ described by Vitruvius</i>
11.40 – 12.00	G. Vallejo-Ortega, J. Sánchez-Riverade, M. la Iglesia-Santamaría , Architecture School. Valladolid, Spain <i>Acoustic Study of a Roman Theatre in Hispania: Colonia Clunia Sulpicia</i>
12.00 – 13.00	PAPER SESSION AR1 Architecture, Ritual spaces & Roofed theatres
12.00 – 12.20	E. Sellountos, D. Polyzos, S. Paipetis , University of Patras, Greece <i>Acoustic Behaviour of the Chamber of Dead in the Nekyomanteion of Acheron River</i>
12.20 – 12.40	K. Chourmouziadou , University of Thrace, Greece, J. Kang , University of Sheffield, UK <i>Architectural and scenery design implementation for the improvement of the soundscape of ancient theatres</i>
12.40 – 13.00	N. Barkas , University of Thrace, Greece <i>Current Operation of Ancient Greek Theatres: the problem of environmental noise</i>
13.00 – 14.00	Lunch break

DEMOS: Interactive auralisation terminals of ancient theatres and ritual spaces
by the ERATO project and the Patras audiogroup

DAY2 (MONDAY 19/9/2011) AFTERNOON

14.00 – 15.00

KEYNOTE SPEECH K1

Barry Blessing, Blessing Associates, Boston, USA
An Analysis of the Aural Experience of Ancient Spaces - presentation via Skype
(invited)

15.00 – 16.00

PAPER SESSION AP2
Archaeology & Performance

15.00 – 15.20

D. Lubman, DL Acoustics, California, USA
Uncanny acoustic effects at Chichen Itza: Intentional design?

15.20 – 15.40

B. Fazenda, I. Drumm, University of Salford, UK
Recreating the Sound of Stonehenge

15.40 – 16.00

M. Mota, Drama Lab(LADI), University of Brasilia, Brazil
Meter Matters: Embodied Rhythms at Stage as a Challenge to the Acoustics of Ancient Theatre

16.00 – 16.20

Coffee break

16.20 - 17.00

TUTORIAL SESSION T1
Analysis & Modeling

Jens Holger Rindel, Odeon A/S, Scion-DTU, Lyngby, Denmark
The ERATO project and its contribution to our understanding of the acoustics of ancient theatres
(invited)

17.00 – 17.40

PAPER SESSION AM2
Analysis & Modeling

17.00 – 17.20

M. Navvab, University of Michigan, USA' **F. Bisegna**, Sapienza University of Rome, Italy, **G. Heilmann**, Gfai Tech GmbH, Berlin, Germany

Acoustic Performances of Ancient Theatres: Real Ancient versus Virtual Architecture

17.20 – 17.40

G. Iannace, L. Maffei, P. Trematerra, Second University of Naples, Italy

The Acoustic Evolution of The Large Theatre of Pompeii

17.40 –18.00

Coach to Patras Odeion site

18.00 – 19.00

WORKSHOP W1
Patras Roman Odeion

In-situ acoustic response measurements in the Roman Odeion
drinks in old city

DAY3 (TUESDAY 20/9/2011) MORNING

from 8.00

REGISTRATION

9.00 - 11.00	PAPER SESSION AM3 Analysis & Modeling
9.00 - 9.20	N. Prodi, A. Farnetani, R. Pompoli , Università di Ferrara, Italy <i>Validation of a numerical code for edge diffraction by means of acoustical measurements on a scale model of an ancient theatre</i>
9.20 - 9.40	P. Economou¹ P. Charalampous¹, S. Ioannides¹, P. Polyzarpou² ¹ P.E. Mediterranean Acoustics Research and Development, Cyprus, ² University of Patras, Greece <i>The significance of sound diffraction effects in predicting acoustics in ancient theatres</i>
9.40 - 10.00	J. Tartarin , CNRS Institute, University of Poitiers, France <i>On the acoustics of the gallo-roman theater of Sanxay (France)</i>
10.00 - 10.20	P. Polyzarpou, S. Vassilantonopoulos+, J. Mourjopoulos , University of Patras, Greece <i>Acoustic simulation of the Ancient Theatre of Kourion in Cyprus</i>
10.20 - 10.40	J. Austnes¹, K. Nore², J. Aarstad² ¹ Sweco Norway AS, ² Norsk Treteknisk Institutt, Norway <i>Cross laminated timber absorbent</i>
10.40 - 11.00	G. Iannace, L. Maffei, F. Aletta , Second University of Naples, Italy <i>Computer simulation of the effect of the audience on the acoustics of the Roman Theatre of Beneventum (Italy)</i>
11.00 - 11.20	<i>Coffee break</i>
11.20 - 12.00	TUTORIAL SESSION T2 Analysis & Modeling
	Jean-Dominique Polack , Professor, Université Pierre et Marie Curie/CNRS, France <i>The acoustics of antique theatres: Canac's life work revisited</i> (invited)
12.00 - 13.20	PAPER SESSION AR1 Architecture, Ritual spaces & Roofed theatres
12.00 - 12.20	A. Foteinou, D. Murphy , University of York, UK <i>Perceptual validation in the acoustic modelling and auralization of heritage sites: The Acoustic Measurement and Modelling of St Margaret's Church, York, UK</i>
12.20 - 12.40	C. Goussios, N. Tsinikas , K. Chourmouziadou, G. Kalliris , Aristotle University of Thessaloniki, Greece <i>The Roman odeion of Nicopolis: Observations of architectural elements affecting its acoustics. Measurements & calculations of acoustic indices</i>
12.40 - 13.00	R. Peral, N. Campillo, A. Cervero , Miguel Hernandez University, Elche, Spain <i>Analysis of the acoustic parameters of the Basilica "Santa Maria" on the performance of the medieval liturgical masterpiece "El Misteri"</i>
13.00 - 13.20	L. Tronchin , University of Bologna, Italy <i>The acoustics of the Teatro Ideale by Francesco Milizia (1773)</i>

13.20 - 14.20

*Lunch break***DEMOS:** Interactive auralisation terminals of ancient theatres and ritual spaces
by the ERATO project and the Patras audiogroup

DAY3 (TUESDAY 20/9/2011) AFTERNOON

14.20 – 15.20

KEYNOTE SPEECH K2

Jens Blauert, Emeritus Professor, IKA, Ruhr-University Bochum, Germany
Cognitive aspects of listening in performance spaces
(invited)

15.20 – 16.20

PAPER SESSION AP3 Archaeology & Performance

- 15.20 – 15.40 **G. Karadenos, P. Karampatzakis, V. Zafranas**, Aristotle University of Thessaloniki, Greece
An approach into the acoustic evolution of ancient Odeia
- 15.40 – 16.00 **K. Moschos**, Institute for Research on Music & Acoustics, Greece
Ancient Drama: A theater or an opera?
- 16.00 – 16.20 **K. Moschos, G. Schubert**, Institute for Research on Music & Acoustics, Greece
Proposals for the improvement of acoustics of ancient theaters

16.20 - 16.40

Coffee break

16.40 – 17.20

TUTORIAL SESSION T3 Analysis & Modeling

Angelo Farina, Professor, University of Parma, **Lamberto Tronchin**, Professor, University of Bologna, Italy
New measurement technique for 3D sound characterization in theatres
(invited)

17.20 – 19.20

SPECIAL SESSION S1 Acoustic potteries in ancient buildings

17.20 – 17.40

J.-Ch. Valière¹, B. Bertholon-Palazzo¹, J.-D. Polack², P. Carvalho

¹Université de Poitiers, ²Université Pierre et Marie Curie/CNRS, France

On the relation between Vitruve vasis and medieval acoustic potteries: Literary analysis of ancient texts and comparison with recent observations in situ

17.40 – 18.00

P. Karampatzakis¹, V. Zafranas¹, S. Polychronopoulos²

¹Aristotle University of Thessaloniki, ²University of Patras, Greece

A study on Aristoxenus acoustic urns (The Vitruvian secret)

18.00 – 18.20

S. Polychronopoulos, D. Skarlatos, D. Koulias, University of Patras, Greece

The use of resonators in ancient Greek Theatres

18.20 – 18.40

J-D. Polack, Université Pierre et Marie Curie/CNRS, France

Acoustic potteries in southern Albania

18.40 – 19.00

J-Ch. Valière , B. Bertholon-Palazzo, Université de Poitiers , France

Contribution of the knowledge of the acoustic pottery in medieval and modern churches

Statistical studies of about twenty five French edifices

19.00 – 19.20

J-C. Valière B. Bertholon-Palazzo, Université de Poitiers, France

Acoustic pottery in medieval and modern churches and temples in Europe: the state of the knowledge

17.20 – 18.00

POSTER SESSION P2 Conference Centre foyer

17.20 – 18.00

G.Cambourakis, S.Dalianis, A.Sotiropoulou, National Technical University, Athens, Greece

Acoustics and Intelligibility of the Dionysus Ancient Greek Theater at the Acropolis of Athens

17.20 – 18.00

B. Boren, M. Longair, University of Cambridge, UK

A method for the acoustic modeling of past soundscapes

21.00

CONFERENCE DINNER (location to be announced)

DAY4 (WEDNESDAY 21/9/2011) MORNING

9.00 - 10.40

PAPER SESSION AM4 Analysis & Modeling

9.00 - 9.20 **N. Prodi, A. Farnetani, R. Pompoli, P. Fausti**, Università di Ferrara, Italy

Acoustics and architecture in ancient open air theatres

9.20 - 9.40 **G.Cambourakis**, National Tech. Univ. of Athens, Athens, Greece

Oiniades ancient theatre acoustical assessment

9.40 - 10.00

F. Gugliermetti, F. Bisegna, A. Carraro, Sapienza University of Rome, Italy

A modern reading of ancient theatres architecture

10.00 - 10.20

M. Lopez, S. Pauletto, G. Kearney, The University of York, UK

Virtual acoustics and performance Spaces in Medieval English Drama

10.20 - 10.40

Th. Niaounakis, Acoustic consultand, Greece

The Acoustics of the Ancient Theatre of Hephaistia – Limnos Island, Greece

10.40 - 11.00

Coffee break

11.00 - 12.20

SPECIAL SESSION S2

Analysis, Measurement & Modeling of Epidaurus Theatre

11.00 - 11.20

T. Lokki, A. Southern, S. Siltanen, L. Savioja, Department of Media Technology, Aalto University, Finland

Studies on Epidaurus with a hybrid room acoustics modeling method

11.20 - 11.40

K. Angelakis, J. Rindel, Odeon A/S, A. Gade , Danish Technical University, Denmark

Theatre of the Sanctuary of Asklepios at Epidaurus and the Theatre of Ancient Epidaurus: Objective measurements, computer simulations and listening tests

11.40 - 12.00

S. Vassilantonopoulos[†], P. Hatziantoniou, N. Tatlas, T. Zakinthinos, D. Skarlatos, J. Mourjopoulos, University of Patras, Greece

Measurements and Analysis of the Acoustics of the Ancient Theatre of Epidaurus

12.00 - 12.20

S. Psarras, M. Koyniotras, Acoustic consultants, Greece

Acoustic and environmental parameter measurements in Epidaurus Ancient Theatre

12.20 - 13.20

Lunch break – Preparation for departure

DAY4 (WEDNESDAY 21/9/2011) AFTERNOON

13.20- 16.40

Travel from Patras to Epidaurus Theater

Lunch - coffee break

16.40 – 18.30

WORKSHOP W2 Epidaurus ancient theatre

In situ actor-demo / acoustic measurement

CLOSING

18.30 - 22.00

Return from Epidaurus to Patras or to Athens