Online webinar series

PROGRAM

Tuesday 14 June (17:00 – 20:00, CEST, Zoom)

Sonic experience and augmented reality in ancient spaces
Link: https://uofglasgow.zoom.us/j/4448411624

17:00 – 17:10. Welcome and introduction

17:10 – 18:30. Dr Iain Findlay-Walsh & Prof. Nick Fells (University of Glasgow) –
Spatial listening as compositional practice: A seminar on musical listening, field recording, acousmatic composition and virtual reality.

- **Learning outcomes**
  - creative approaches to space as a dimension of broader sonic experience
  - acousmatic music and practicing space through technological media
  - historical aspects of listening technologies
  - spatial audio capture as environmental learning
  - examples of different kinds of creative spatial sound projects

- **Bibliography**
  A hyperlinked reference list (including audio examples) will be provided to students on the day.

18:40 – 19:20. Professor Jose Luis Carles (Universidad Autonoma de Madrid)
Soundscape research and acoustic ecology. Theory, methods and applications. The soundwalk as a transversal tool

19:20 – 20:00. Dr. Areti Andreopoulou, Assistant Professor (NKUA)
Spatial auditory perception in real and AR/VR environments
- **Learning outcomes**
  - Knowledge of spatial auditory perception
  - Clear understanding of the differences between audition in real vs AR/VR environment and the challenges in the design of auditory AR/VR spaces.

**Tuesday 21 June (17:00 – 20:00, CEST, Zoom)**

**Ancient Greek Music and sounding spaces**
National and Kapodistrian University of Athens/ Universidad Autónoma de Madrid

17:00 – 17:10. Welcome and introduction

17:10 – 18:20. Prof. Stelios Psaroudakes (University of Athens).
*The basics of ancient Hellenic music*

**Learning outcomes**

- Basics on the Ancient Hellenic Music (The lyre and the names of strings/The tetrachord system, its significance, and its tunings ,The structure of larger systems /The tonal levels (‘tonalities’) /The notation system (parasēmantikē)/The form of the ancient score/Melorhythmic analysis of select scores – connection with theory

8:30-19:30. Luis Calero, Lecturer (Universidad Autonoma, Madrid)
*Voice in the Antiquity and Archeoacoustics*

**Learning outcomes**


19:30- 20:00. Prof. Anastasia Georgaki ( University of Athens).
*Virtual reconstruction of ancient theaters: augmented reality vs augmented aurality. An ongoing research*

**Learning outcomes**

- Basics on the existing projects in augmentd reality and aurality in Ancient Theaters and spaces/

**Tuesday 28 June (17:00 – 20:00, CEST, Zoom)**
Medieval Music and sounding spaces.
Byzantine and Gregorian Chant - Virtual acoustic-visual reconstruction of sacred spaces of the Middle Ages

17:00-17:10: Welcome and Introduction

17:10-17:30: Prof. Achilleas Chaldaeakes (University of Athens)
Introduction to Byzantine Chant

17:30-18:15: Prof. Alex Lingas (City University, London)
The project "Virtual Hagia Sophia"

18:20-18:50: Prof. Dr. Stefan Morent (University of Tübingen)
Introduction to Gregorian Chant (Development, Forms, Notation, Manuscripts, Performance and Space)

18:55-19:25: Prof. Dr. Heinz Saler, Dr. Konrad Berner (University of Applied Sciences Karlsruhe)
Introduction to 3D-laserscanning and reconstruction of Sacred Spaces

19:30-20:00: Prof. Dr. Michael Vorländer (University of Aachen)
Introduction to Technical Acoustics and Auralization

Learning outcome
Students will hear:
- Basic introductions to Byzantine and Gregorian chant, the two major facets of liturgical Christian chant
- There will follow a demonstration of the "Virtual Hagia Sophia" project
- They will also get a basic introduction into the methods of 3D-laserscanning and -reconstruction of sacred spaces
- Finally they will hear about the basic concepts of acoustics and the technique of auralization

Workshop in situ

VENUES

Amphitheatre Drakopoulos (DR), The Great Hall (GH)
University of Athens, Main building Panepistimiou 30, Athens
(Subway station: “Panepistimio“)
Map: https://goo.gl/maps/MB6MEqaXxUKsTE7p6
**LABMAT Recording Studio**  
*School of Philosophy, University of Athens Campus, Zografou, Athens*  
*Map: [https://goo.gl/maps/QDfr121WnDDNFZ6LA](https://goo.gl/maps/QDfr121WnDDNFZ6LA)*

**Theatre of Dionysus – Acropolis (AC)**  
*Mitseon 25, Athens*  
*Map: [https://goo.gl/maps/82AYHePc4RTqSv729](https://goo.gl/maps/82AYHePc4RTqSv729)*  
*Map: [https://g.page/acropolis-bnb?share](https://g.page/acropolis-bnb?share)*

**Church of the Presentation of the Virgin Mary - Panagia Kapnikarea (KA)**  
*Pl. Kapnikareas, Athens*  
*Map: [https://goo.gl/maps/w8q1PtuEFTt9m8sZ6](https://goo.gl/maps/w8q1PtuEFTt9m8sZ6)*

**Plato’s Academy Archeological Park (PA)**  
*Map: [https://goo.gl/maps/hxiqrQHqUkCYgitX6](https://goo.gl/maps/hxiqrQHqUkCYgitX6)*

**Delphi (DE)**  
*Map: [https://goo.gl/maps/itTVstsTeSUG5J5s9](https://goo.gl/maps/itTVstsTeSUG5J5s9)*

---

**PROGRAM**

* The analytical program will be announced till the end of June

**11 July 2022**  
**Workshop: Sound Archeomusicology and Archeoacoustics**

*National and Kapodistrian University of Athens/Universidad Autónoma de Madrid*

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:00-09:30</td>
<td>Registration (DR)</td>
</tr>
<tr>
<td>09:30-10:00</td>
<td>Greetings</td>
</tr>
<tr>
<td>10:00-11:30</td>
<td>Lectures (DR)</td>
</tr>
<tr>
<td>11:30-12:00</td>
<td>Break</td>
</tr>
<tr>
<td>12:00-13:30</td>
<td>Lectures (DR)</td>
</tr>
<tr>
<td>17:00-20:00</td>
<td>Theatre of Dionysus-Acropolis, Field recording (AC)</td>
</tr>
</tbody>
</table>

**12 July 2022**  
**Workshop: Medieval Music and sounding sacred spaces**

*University of Tübingen/National and Kapodistrian University of Athens*
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:00-11:00</td>
<td>Lectures (DR)</td>
</tr>
<tr>
<td>11:00-11:30</td>
<td>Break</td>
</tr>
<tr>
<td>11:30-13:30</td>
<td>Lectures (DR)</td>
</tr>
<tr>
<td>17:00-19:30</td>
<td>Kapnikarea Church, Field recording (KA)</td>
</tr>
<tr>
<td>19:30-20:00</td>
<td>Byzantine Music &amp; Gregorian Chants Concert (KA)</td>
</tr>
</tbody>
</table>

**13 July 2022**

**Acoustic data collection and performance in Delphi (in situ)**

Visit to Delphi

11:00 Departure
13:00 Archaeological Museum of Delphi (DE)
14:15 Break
15:15 Temple of Apollo – Delphi Theatre, Field recording (DE)
17:00 Departure

**14 July 2022**

**Workshop: Sonic experience and immersive media reception in sacred spaces**

*University of Glasgow/National and Kapodistrian University of Athens*

10:00-13:30 Post Production (LABMAT)
13:30-14:30 Break
14:30-17:00 Post Production (LABMAT)
19:00-21:00 Sound walk & Performance at the Academy of Plato (PA)

**15 July 2022**

**Workshop: Soundscape composition and acoustic ecology**

*Universidad Autónoma de Madrid/National and Kapodistrian University of Athens*

10:00-13:30 Post Production (LABMAT)
13:30-14:30 Break
14:30-16:00 Post Production (LABMAT)
20:00-21:30 Closing Ceremony (GH)