



## Online webinar series

### *PROGRAM*

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

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**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)**

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**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**

- Basics on the production and emission of the singing voice in the antiquity and the archeoacoustics. /Voice and its Repertoires in ancient Greece: Solo and Choral Works. Vocal Notation./Contexts for the Study of Voice in Antiquity. Singing and recitation. /Archeoacoustics: Sacred Spaces vs. Everyday Life (Temples, Processions, Contests and Theatres).

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 augmented reality and aurality in Ancient Theaters and spaces/

**Tuesday 28 June (17:00 – 20:00, CEST, Zoom)**

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## **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>

### **Theatre of Dionysus – Acropolis (AC)**

Mitseon 25, Athens

Map: <https://goo.gl/maps/82AYHePc4RTaSv729>

Map: <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>

### **Plato's Academy Archeological Park (PA)**

Map: <https://goo.gl/maps/hxiqrQHqUkCYgitX6>

### **Delphi (DE)**

Map: <https://goo.gl/maps/itTVstsTeSUG5J5s9>

## **PROGRAM\***

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

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<b>11 July 2022</b>	<b>Workshop: Sound Archeomusicology and Archeoacoustics</b>  <b>National and Kapodistrian University of Athens/Universidad Autónoma de Madrid</b>  09:00-09:30 Registration (DR) 09:30-10:00 Greetings 10:00-11:30 Lectures (DR) 11:30-12:00 Break 12:00-13:30 Lectures (DR) 17:00-20:00 Theatre of Dionysus-Acropolis, Field recording (AC)
<b>12 July 2022</b>	<b>Workshop: Medieval Music and sounding sacred spaces</b> <b>University of Tübingen/National and Kapodistrian University of Athens</b>

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09:00-11:00 Lectures (DR)  
11:00-11:30 Break  
11:30-13:30 Lectures (DR)  
17:00-19:30 Kapnikarea Church, Field recording (KA)  
19:30-20:00 Byzantine Music & Gregorian Chants Concert (KA)

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**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

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**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)

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**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)