



## Κωνσταντίνος Τσιούτας

Ημερομηνία γέννησης: 05/12/1976 | **Υπηκοότητα:** Ελληνική | **Φύλο:** Άντρας |

(+30) 2102323183 | (+30) 6934525150 | [tsioutas1@gmail.com](mailto:tsioutas1@gmail.com) |

<https://sites.google.com/view/ktsioutas/home> |

<https://www.linkedin.com/in/konstantinos-tsioutas-47301348/> |

Skype: kostas tsioutas | 8, DODEKANISOU, 13562, ATHENS, Ελλάδα

### ΕΠΑΓΓΕΛΜΑΤΙΚΗ ΕΜΠΕΙΡΙΑ

10/10/2016 – ΤΡΕΧΟΥΣΑ – Κέρκυρα

**ΕΞΩΤΕΡΙΚΟΣ ΣΥΝΕΡΓΑΤΗΣ – ΤΜΗΜΑ ΤΕΧΝΩΝ ΗΧΟΥ ΚΑΙ ΕΙΚΟΝΑΣ, ΙΟΝΙΟ ΠΑΝΕΠΙΣΤΗΜΙΟ**

#### **Interactive Installations.**

Audio and Visual Programming.  
Sensors and microcontrollers.

10/10/2020 – ΤΡΕΧΟΥΣΑ – Αθήνα

**ΕΞΩΤΕΡΙΚΟΣ ΣΥΝΕΡΓΑΤΗΣ – ΠΑΝΕΠΙΣΤΗΜΙΟ ΔΥΤΙΚΗΣ ΑΤΤΙΚΗΣ, ΤΜΗΜΑ ΕΣΩΤΕΡΙΚΗΣ ΑΡΧΙΤΕΚΤΟΝΙΚΗΣ**

Διδασκαλία του μαθήματος Διαδραστικές Ψηφιακές Εγκαταστάσεις

10/10/2018 – ΤΡΕΧΟΥΣΑ – Αθήνα, Ελλάδα

**ΒΟΗΘΟΣ ΚΑΘΗΓΗΤΗ ΤΡΙΤΟΒΑΘΜΙΑΣ ΕΚΠΑΙΔΕΥΣΗΣ – ΟΙΚΟΝΟΜΙΚΟ ΠΑΝΕΠΙΣΤΗΜΙΟ ΑΘΗΝΩΝ, ΤΜΗΜΑ ΠΛΗΡΟΦΟΡΙΚΗΣ**

Python Programming Language  
Multimedia Systems  
Operating Systems

02/2014 – 30/06/2019

**ΕΞΩΤΕΡΙΚΟΣ ΣΥΝΕΡΓΑΤΗΣ – ΤΜΗΜΑ ΛΑΙΚΗΣ ΚΑΙ ΠΑΡΑΔΟΣΙΑΚΗΣ ΜΟΥΣΙΚΗΣ, ΤΕΙ ΗΠΕΙΡΟΥ**

Μουσική Τεχνολογία  
Ηχοληψία  
ARTA, Ελλάδα

10/10/2015 – 31/10/2020 – Corfu, Ελλάδα

**ΕΡΕΥΝΗΤΗΣ – ΤΜΗΜΑ ΤΕΧΝΩΝ ΗΧΟΥ ΚΑΙ ΕΙΚΟΝΑΣ, ΙΟΝΙΟ ΠΑΝΕΠΙΣΤΗΜΙΟ**

Διαχείριση και υποστήριξη της ψηφιακής πλατφόρμας τηλεδιασκέψεων

01/07/2020 – 31/12/2020 – Αθήνα, Ελλάδα

**ΜΕΛΟΣ ΕΡΕΥΝΗΤΙΚΟΥ ΠΡΟΓΡΑΜΜΑΤΟΣ – ΟΙΚΟΝΟΜΙΚΟ ΠΑΝΕΠΙΣΤΗΜΙΟ ΑΘΗΝΩΝ, ΤΜΗΜΑ ΠΛΗΡΟΦΟΡΙΚΗΣ**

Technical Management

10/02/2004 – 06/2006 – Athens, Ελλάδα

Βοηθός Εργαστηρίου Ηλεκτρονικής

2010 – 06/2020

**ΩΡΟΜΙΣΘΙΟΣ ΕΚΠΑΙΔΕΥΤΙΚΟΣ – ΕΠΑΓΓΕΛΜΑΤΙΚΕΣ ΣΧΟΛΕΣ ΟΑΕΔ.**

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ATHENS

2011 – 2018

**ΩΡΟΜΙΣΘΙΟΣ ΕΚΠΑΙΔΕΥΤΙΚΟΣ – ΙΕΚ ΔΕΛΤΑ**

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ATHENS, Ελλάδα

2013 – 2014

**ΩΡΟΜΙΣΘΙΟΣ ΕΚΠΑΙΔΕΥΤΙΚΟΣ – ΙΕΚ ΑΚΜΗ**

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Athens

2007 – 2011

**ΩΡΟΜΙΣΘΙΟΣ ΕΚΠΑΙΔΕΥΤΙΚΟΣ – ΔΗΜΟΣΙΑ ΙΕΚ**

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2007 – 2011

**ΩΡΟΜΙΣΘΙΟΣ ΕΚΠΑΙΔΕΥΤΙΚΟΣ – ΙΕΚ ΞΥΝΗ**

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Athens, Ελλάδα

## ● **ΕΚΠΑΙΔΕΥΣΗ ΚΑΙ ΚΑΤΑΡΤΙΣΗ**

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04/2018 – 10/06/2021 – Athens, Ελλάδα

**ΥΠΟΨΗΦΙΟΣ ΔΙΔΑΚΤΟΡΑΣ – Οικονομικό Πανεπιστήμιο Αθηνών, τμήμα Πληροφορικής**

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**Πτυχιακή εργασία:** Networked Music Performance Systems

ΕΠΠ επίπεδο 8

2008 – 2013 – ATHENS, Ελλάδα

**ΔΙΑΤΜΗΜΑΤΙΚΟ ΠΜΣ ΡΑΔΙΟΗΛΕΚΤΡΟΛΟΓΙΑ ΚΑΙ ΗΛΕΚΤΡΟΝΙΚΗ – Καποδιστριακό Πανεπιστήμιο Αθηνών, τμήμα Φυσικού - Πληροφορικής**

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- ANALOG-DIGITAL ELECTRONICS
- DIGITAL TELECOMMUNICATIONS
- WIRELESS NETWORKS
- DIGITAL SIGNAL PROCESSING

ΕΠΠ επίπεδο 7

- MUSIC TECHNOLOGY
- SOUND DESIGNING ALGORITHMS
- SOUND ENGINEERING
- SOUND AESTHETICS
- Interactive Sound Installations

ΕΠΠ επίπεδο 7

- ANALOG-DIGITAL ELECTRONICS
- TELECOMMUNICATIONS
- POWER ELECTRONICS
- NETWORKING
- PROGRAMMING
- COMPUTER ENGINEERING

ΕΠΠ επίπεδο 5

## ● ΨΗΦΙΑΚΕΣ ΔΕΞΙΟΤΗΤΕΣ

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C, C++, C# programming | Working with the Apache web server | TCP/IP L2 Networking | Octave/ MATLAB | Processing (Java) | Basics Of Python | Max Msp | Pure Data | Hardware Troubleshooting | Circuit design | Enregistrement audio (Ableton Live Cubase) | Adobe Suite (Adobe Photoshop, Adobe Indesign, Adobe Illustrator) | Bash scripting | LINUX / UNIX / MAC OSX / WINDOWS | Microcontroller programming such as Arduino, ESP8266, RaspberryPi and other IoT controllers. | Sensor & Microcontrollers | Processing

## ● ΔΗΜΟΣΙΕΥΣΕΙΣ

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### Publications

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1. K. Tsioutas, K Asimakopouylos, «Google bike: Innovative VR System as a support tool in educational scenarios», Proceedings of the 6th, Greek Scientific Conference, Integration and Use of ICT in the Educational Process, Pedagogical Department of Primary Education EKPA, 2019
2. K. Tsioutas, G. Xylomenos, I. Doumanis, and C. Angelou. "Quality of Musicians' Experience in Network Music Performance: A Subjective Evaluation".Proc. of Audio Engineering Society Convention 148. May 2020.
3. K. Tsioutas, I. Doumanis, G. Xylomenos, "A Framework for Understanding and Defining Quality of Musicians' Experience in Network Music Performance Environments", Proc. of the Audio Engineering Society Convention 146, Dublin, Ireland, 2019
4. K. Tsioutas, G. Xylomenos I. Doumanis, "Aretousa: A Competitive Audio Streaming Software for Network Music Performance", Proc. of the Audio Engineering Society Convention 146, Dublin, Ireland, 2019
5. K. Tsioutas, «Aretousa: A Graphical User Interface for controlling Audio Streams», Proceedings of the 8th ELINA Acoustics Conference, Patras 2018
6. K. Tsioutas, «Network Music Performance - Improving the Quality of Service», Proceedings of the 7th ELINA Acoustics Conference, Thessaloniki 2014
7. K. Tsioutas, "An empirical evaluation of QoME for NMP", 11th IFIP International Conference on New Technologies, Mobility and Security 2021

## ● ΣΥΝΕΔΡΙΑ ΚΑΙ ΣΕΜΙΝΑΡΙΑ

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### Seminars

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Workshop: Sound over LAN

Invited Speaker of the 10th Audiovisual Arts Festival of the Ionian University of the Department of Audio and Visual Arts.

Corfu May 18, 2016.

Seminar theme, audio streaming technologies based on the gstreamer open framework .

## ● ΕΡΓΑ/ΠΡΟΤΖΕΚΤ

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### Google Bike - May 2017

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'Interactive Video Installation'

This project was presented at the Athens Concert Hall during the 11th Audiovisual Arts Festival of Audio Visual Arts Department of the Ionian University. A common bicycle with magnetic sensors was driving an Arduino board. Each time a user was riding the bike he could navigate around Google Earth. You can watch a short preview here [Google Bike Project](#)

### Network Music Performance Jazz Session

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conducted at Ionian University Campus October 2017.

Gstreamer technology used.

<https://www.youtube.com/watch?v=c4E9DQqoy>

### Network Music Performance Folk Session

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Conducted at Ionian University Campus October 2017.

Gstreamer technology used.

<https://www.youtube.com/watch?v=HS4ueT8PkWw&t=13s>

### Bike in Corfu - May 2016

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Bike in Corfu - May 2016

'Interactive Video Installation'

This project was presented at the 10th Audiovisual Arts Festival of Audio Visual Arts Department of the Ionian University. A common bicycle with magnetic sensors was driving an Arduino board. Each time a user was riding the bike a short video movie of the streets of Corfu was rolling. The faster the rider was biking the faster was the video was rolling.

### Buggs - August 2008

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'Interactive Sound Installation'

This project was my final thesis for the MSc Audio Arts and Technologies supervised by Timothy Ward, professor of the MSc. The installation was held at the exhibition of a well known artist in the city of Corfu. Four hidden microphones were recording the voices of the visitors of the exhibition. Real Time audio processing in terms of audio filtering and re-sampling using Max Msp was taking place and the final audio signal was fed into six loud speakers causing visitors to feel strange. Also four touch sensors were placed in the room so visitors could interact with the produced sound. You can watch a short preview [here](#)