



# KONSTANTINOS TSIOUTAS

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**Date of birth:** 05/12/1976 | **Nationality:** Greek | **Gender:** Male | (+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, Greece

## ● WORK EXPERIENCE

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10/10/2016 – CURRENT – Corfu  
**TEACHING ASSISTANT** – IONIAN UNIVERSITY AUDIO AND VISUAL ARTS DEPARTMENT

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**Interactive Installations.**  
Audio and Visual Programming.  
Sensors and micro controllers.

10/10/2020 – CURRENT – Athens  
**TEACHING ASSISTANT** – UNIWA INTERIOR DESIGN DEPARTMENT

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I teach the course of **Interactive Installations** in the post graduate program of the Interior Design Department.

10/10/2018 – CURRENT – Athens, Greece  
**TEACHING ASSISTANT** – ATHENS UNIVERSITY OF ECONOMICS AND BUSINESS (AUEB) COMPUTER SCIENCE DEPARTMENT

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Python Programming Language in Computer Lab  
Multimedia Systems in Computer Lab  
Operating Systems in Computer Lab

09/2010 – 06/2011 – Athens, Greece  
**TEACHING ASSISTANT** – UNIVERSITY OF ATHENS (UOA) PHYSICS DEPARTMENT

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C programming Language LAB  
ATHENS

02/2014 – 30/06/2019  
**TEACHING ASSOCIATE PROFESSIONAL** – TEI OF EPIRUS FOLK AND TRADITIONAL MUSIC DEPARTMENT

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Teaching Music Technology Courses , and Sound Engineering Courses  
ARTA, Greece

10/10/2015 – 31/10/2020 – Corfu, Greece  
**RESEARCH ASSOCIATE** – IONIAN UNIVERSITY AUDIO VISUAL ARTS DEPARTMENT

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Administrator of the v-class.avarts.ionio.gr e - learning platform.

01/07/2020 – 31/12/2020 – Athens, Greece  
**RESEARCH PROGRAM ASSOCIATE** – AUEB ELKE

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Research Program Member

10/02/2004 – 06/2006 – Athens, Greece  
**TEACHING ASSOCIATE PROFESSIONAL** – ASPETE UNIVERSITY ELECTRONICS ENGINEERING DEPARTMENT

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Teaching Assistant in Electronics Lab

2010 – 06/2020

**SECONDARY EDUCATION TEACHING PROFESSIONAL** – VOCATIONAL SCHOOL OF MINISTRY OF EMPLOYMENT

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Teaching:

Analog and Digital Electronics

Networking

Telecommunications

ATHENS

2011 – 2018

**SECONDARY EDUCATION TEACHING PROFESSIONAL** – PRIVATE INSTITUTE OF VOCATIONAL EDUCATION DELTA

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- Teaching Analog Electronics
- Teaching Digital Electronics
- Teaching Networking and Telecommunications

ATHENS, Greece

2013 – 2014

**SECONDARY EDUCATION TEACHING PROFESSIONAL** – PRIVATE INSTITUTE OF VOCATIONAL EDUCATION AKMI

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- Teaching Networking
- Teaching Electronics Engineering

Athens

2007 – 2011

**SECONDARY EDUCATION TEACHING PROFESSIONAL** – PUBLIC INSTITUTE OF VOCATIONAL EDUCATION

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Teaching:

Analog and Digital Electronics

Telecommunications

Networking

Sound Engineering

2007 – 2011

**TEACHING PROFESSIONAL** – PRIVATE INSTITUTE OF EDUCATIONAL EDUCATION XINI

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- Teaching Analog Electronics
- Teaching Digital Electronics
- Teaching Network Engineering

Athens, Greece

2000 – 2001

**INTERSHIP** – GREEK COMPANY OF TELECOMMUNICATIONS- HELLASCOM

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TROUBLESHOOTING CENTER

## ● **EDUCATION AND TRAINING**

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04/2018 – 10/06/2021 – Athens, Greece

**PHD CANDIDATE IN COMPUTER SCIENCE** – Athens University of Business and Economics

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Networked Music Performance Systems | EQF level 8

2008 – 2013 – ATHENS, Greece

**MSC TELECOMMUNICATIONS AND NETWORKING** – UNIVERSITY OF ATHENS PHYSICS DEPARTMENT

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

EQF level 7

2006 – 2008 – CORFU, Greece

**MSC SOUND ART AND TECHNOLOGY** – IONIAN UNIVERSITY

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

EQF level 7

1995 – 2002 – MAROUSI, Greece

**TEACHER AND ELECTRONICS ENGINEER** – Aspete University

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

EQF level 5

## ● LANGUAGE SKILLS

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**Mother tongue(s):** GREEK

**Other language(s):**

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
<b>ENGLISH</b>	B2	B2	B2	B1	B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

## ● DIGITAL SKILLS

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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

## ● PUBLICATIONS

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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

## ● CONFERENCES AND SEMINARS

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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 .

## ● PROJECTS

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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.

## **Bugs - 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](#)

## ● **ORGANISATIONAL SKILLS**

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### **Organisational skills**

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I've been working as an assistant manager in the university electronic lab giving directions and assistance to the students.

I'm also experienced in working with high school students, running projects in the electronics lab as well as in the network lab.

## ● **COMMUNICATION AND INTERPERSONAL SKILLS**

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### **Communication and interpersonal skills**

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Working as a teacher for the last 10 years I've improved my ability to communicate, organize and understand other people's needs so to stand as a good partner next to them.

## ● **JOB-RELATED SKILLS**

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### **Job-related skills**

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- Good knowledge of electronic lab equipment usage (oscillators, generators, spectrum analysers etc)
- Hardware Troubleshooting