

Spyros Polychronopoulos

Personal Notes

Date of Birth 7 December 1980
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Education

2006 - 2014 PhD Departments of Mechanical Engineering & Aeronautics, University of Patras, Greece in co-operation with Audiogroup, Wire Communications Lab, Department of Electrical and Computer Engineering of Patras, Greece “Tuning the acoustics of closed spaces using adaptive acoustic elements”.

1999 – 2006 Bachelor in Physics, University of Patras, Greece

Professional Appointments

2024 - **Assistant Professor in Musical Acoustics and Room Acoustics at the Hellenic Mediterranean University, Department of Music Technology & Acoustics, Rethimno, Crete, Greece** <https://mta.hmu.gr/en/home/>.

2022 - Research Manager (13/12/2022 – today) at ADAPTIT www.adaptit.gr.

2022 - 2023 **Research Fellow** (15/12/2022 – 15/12/2023) “Creative Arts Hub” at Hub of Art Laboratories, **Department of Audio & Visual Arts of the Ionian University, Greece.**

2018 - 2022 **Research Fellow** (01/12/2018 – 30/09/2022) “Digital simulation of ancient musical instruments” at **Department of Informatics and Telecommunications, National and Kapodistrian University of Athens, Greece.**

Project research Leader of a funded project: “MNESIAS: Augmentation and enrichment of cultural exhibits via digital interactive sound reconstitution of ancient Greek musical instruments” Research, Technological Development and Innovation Actions (MIA-RTDI) Horizon 2018 No 202031051149.

Part of certified lab: Speech and Accessibility Laboratory of the National and Kapodistrian University of Athens, dept. of Informatics and Telecommunications (speech.di.uoa.gr/sppages/members.html).

2019 - 2022 **Fixed-Term Lecturer** for 3 semesters (with material generation) for the undergraduate modules: **Computer Music** and **Image Processing**, at **Department of Informatics and Telecommunications, National and Kapodistrian University of Athens, Greece.**

Successful candidate for three academic years for a single semester teaching position funded project (ESPA 2019 - 2022): “Acquisition of academic teaching experience in young scientists holding a doctorate”.

2021 - 2022 **Fixed-Term Lecturer** (25/10/2021 – 31/03/2022) (with material generation) for the postgraduate module: **Acoustics & Digital Sound**, of the Masters “Art and Technology of sound” **Department of Music Studies** and **Department of Audio & Visual Arts of Faculty of Music & Audiovisual Arts of Ionian University, Greece.**

2017 - 2018 **Research Fellow** (21/04/2017 - 01/12/2018) “Human-Computer Interaction for Acoustic Levitation” at **School of Engineering and Informatics, Sussex University, UK.**

Successful candidate for 3 years researcher position of a funded project: “Levitate: Levitation with localised tactile and audio feedback for mid-air interactions” European Union’s Horizon 2020 research and innovation programme under grant agreement No 737087. Part of certified lab: INTERACT Lab of the University of Sussex, dept. School of Engineering and Informatics (interact-lab.com).

2014 - 2017 **Acoustic Consultant** (25/08/2014 – 20/04/2017) at **KP Acoustics, London, UK.**

Responsibilities: Patent submission, Programming audio applications (Interactive audio systems), Designing simulation models, Acoustic testing and treatment of various spaces, Noise monitoring, Generating acoustic reports and Attending design meetings (kpacoustics.com).

Research Fields

Acoustic levitation / Phased Array Transducers / Shaping acoustic fields

Acoustic metamaterials / Helmholtz Resonators

Musical acoustics / Musical Instrument simulation

Musical coding / Musical interfaces

Room acoustics / Theatre acoustics

Audio Digital Signal Processing / Analyzing, processing, and converting digital sound signals

Measuring the quality of sound signals

Programming and simulating using FEM (Finite Elements Method)

Membership

1. IOA “Institute Of Acoustics”
2. AES “Audio Engineering Society”
3. KSYME-CMCP “Center for Music Composition and Performance”
4. ESSIM - HELMCA “Hellenic Electroacoustic Music Composers Association”
5. HELINA “Hellenic Institute of Acoustics”

Participation in Projects

1. Main & Leading researcher with the project “MNESIAS: Augmentation and enrichment of cultural exhibits via digital interactive sound reconstitution of ancient Greek musical instruments” Research, Technological Development and Innovation Actions (MIA-RTDI) Horizon 2018 No 202031051149. Part of certified lab: Speech and Accessibility Laboratory of the National and Kapodistrian University of Athens, dept. of Informatics and Telecommunications (speech.di.uoa.gr/sppages/members.html).
2. Main researcher with Sussex University partner at “Levitate: Levitation with localised tactile and audio feedback for mid-air interactions” European Union’s Horizon 2020 research and innovation programme under grant agreement No 737087. Part of certified lab: INTERACT Lab of the University of Sussex, dept. School of Engineering and Informatics (interact-lab.com).
3. Main researcher with TELCOSERV partner at “PROBONO Build Green and Sustainable Neighbourhood by using the power of Social Engagement and Technology” Horizon 2020 Europe Research and Innovation programme under Grant Agreement No 101037075.
4. Main researcher with ADAPTIT partner at INCISIVE “Improving cancer diagnosis and prediction with AI and big data” Horizon 2020 research and innovation programme under grant agreement No 952179.
5. Main researcher with ADAPTIT partner at VoxReality “Voice-driven interaction in XR spaces” Horizon Europe program under grant agreement No 101070521.

Teaching Experience

Sound engineering 1 and 2 (2024-today) at the Hellenic Mediterranean University, Department of Music

Technology & Acoustics, Rethymno, Crete, Greece.

Computer Music (2019-2022) Fixed-Term undergrad Lecturer at the Department of Informatics and Telecommunications, National and Kapodistrian University of Athens, Greece.

Image Processing (2019-2022) Fixed-Term undergrad Lecturer at the Department of Informatics and Telecommunications, National and Kapodistrian University of Athens, Greece.

Acoustics – Digital Sound (2021-2022) Fixed-Term postgraduate Lecturer Masters: “Art and Technology of sound” at the Department of Music Studies and Department of Audio & Visual Arts of Faculty of Music & Audiovisual Arts of Ionian University, Greece.

Acoustics, Electroacoustics, Digital Signal Processing and Electronic Music Composition (2007 - 2013) Instructor at various Professional Training Institutes in Patras and Athens, Greece.

Organizing Educational Labs

1. Creation of 4 exercises and the relative laboratorial equipment for the hands-on experimental setup for the Physics class in the Department of Primary Education of the University of Patras, Greece, 2005 – 2013.
2. Creation of 1 exercise and the relative laboratorial electroacoustic equipment for the hands-on experimental setup for the Electroacoustic class in the Electrical and Computer Engineering of Patras, Greece, 2005 – 2013.
3. Setting up the electroacoustic chain and creating laboratorial exercises for the hands-on classes of Electroacoustic Recording and Composition at the Professional Training Institute IEK AKMI, Patras, Greece.
4. Setting up the electroacoustic chain and creating laboratorial exercises for the Intense once per year 1 week course on Acoustics and Electroacoustic Music Composition at Music Village, Greece (www.music-village.gr), 2010 – 2017.

Co-supervision bachelor's dissertation and masters/PhD thesis

1. Alex Spiliotopoulos “Machine learning for musical composition” bachelor's dissertation at the Department of Informatics and Telecommunications, National and Kapodistrian University of Athens, Greece, 2022.
2. Victoras Charisis “Multi-objective optimization of synthetic sound, produced by physical models of musical instruments using analysis-by-synthesis and genetic algorithms” masters dissertation of Computer, Telecommunications and Network Engineering at the Department of Informatics and Telecommunications, National and Kapodistrian University of Athens, Greece, July 2021.
3. Dimitris Kougias “Study of the response of resonators from laser pulse acoustic stimulation” bachelor's dissertation at Audiogroup, Wire Communications Lab, Department of Electrical and Computer Engineering of Patras, Greece, July 2021.
5. Konstantinos Bakogiannis “Science and philosophy of information: applications in musicology and music computer science” School of Electrical and Computer Engineering, National Technical University of Athens, Greece, July 2020.
6. Mohd Adili Norasikin “Reconfigurable Mid-Air Displays” PhD thesis at Interact Lab, University of Sussex, October 2019.

Social contribution

1. Essay for the course Computer Music, at Department of Informatics and Telecommunications, National and Kapodistrian University of Athens, Greece: “Accessibility and music composition: An accessibility guide for music composer apps”. Public access of the essay through the Department’s eclass, Georgios Kouroupetroglou (President elect of the Association for the Advancement of Assistive Technology in Europe (AAATE)) and

Anastasia Georgaki (head of Department of Music Studies, National and Kapodistrian University of Athens, Greece), 2020.

2. Essay for the course Image Processing, at Department of Informatics and Telecommunications, National and Kapodistrian University of Athens, Greece: "Image processing applications' benchmark for visually impaired people". Public access of the essay through the Department's eclass and Georgios Kouroupetroglou (President elect of the Association for the Advancement of Assistive Technology in Europe (AAATE)), 2021.

3. Contribution in forums: a) scientific matters in research gate (www.researchgate.net), b) algorithmic music for Puredata (www.puredata.info) and c) programming in MATLAB (www.mathworks.com) and Python (www.stackoverflow.com).

4. Open online talks and in person in the Department of Informatics and Telecommunications, National and Kapodistrian University of Athens, Greece about soft skills on: 1. How to present an essay, II. How to read a scientific document, III. Writing a CV and IV. Networking.

Invited Talks

1. "DYI electroacoustic musical instruments lecture & workshop", Department of Music Studies is part of the School of Philosophy of the National and Kapodistrian University of Athens (25 April 2023).

2. "Optimisation of musical instruments using FEM+DSP modelling and Acoustic levitation using metamaterials" Seminars of the Cremona Lab of the Politecnico di Milano, Italy (20 January 2023).

3. "Sound: scientific and aesthetic dimension", Department of Music Studies of Ionian University, Greece (online: 13 May 2021).

4. "Soft Skills" Department of Informatics and Telecommunications, National and Kapodistrian University of Athens, Greece (online: 10 July 2020 and 16 April 2021).

5. "New ways to create and deliver music: LEM algorithmic music composition" Emute lab Sussex University, Brighton, UK (26 April 2018), www.emutelab.org/blog/interactLabSeminar.

6. "Acoustic Levitation / Haptic and New Music Media" University of Aalborg, Danmark (6 November 2017).

7. "Acoustic Levitation / Haptic and New Music Media" Queen Mary, London, UK (21 February 2018).

8. "Forensic acoustics: methods and limits in criminal cases" Humboldt University, Berlin, Germany (26 October 2016).

Journal Publications

J1 Spyros Polychronopoulos, Konstantinos Bakogiannis, Dimitra Marini and Georgios Th. Kouroupetroglou, "Optimization method on the tuning, sound quality, and ergonomics of the ancient guitar using a DSP-FEM simulation". IEEE Access, 2022, vol. 10, pp. 133574-133583, 2022, doi.org/10.1109/ACCESS.2022.3231616.

J2 Spyros Polychronopoulos, Dimitra Marini, Konstantinos Bakogiannis, Georgios Th. Kouroupetroglou, Stelios Psaroudakes and Anastasia Georgaki "Physical modeling of the ancient Greek wind musical instrument Aulos: a double-reed exciter linked to an acoustic resonator", IEEE Access, 2021, vol. 9, pp. 98150-98160, doi.org/10.1109/ACCESS.2021.3095720.

J3 Georgios Th. Kouroupetroglou, Spyros Polychronopoulos and Konstantinos Bakogiannis "Augmentation and enrichment of cultural exhibits via digital interactive sound reconstruction of ancient greek musical instruments", Archeologia e Calcolatori, 32.1, 423-438, 2021, doi.org/10.19282/ac.32.1.2021.23.

J4 Bakogiannis K, Polychronopoulos S, Marini D, Kouroupetroglou G. "Audio Enhancement of Physical Models of Musical Instruments Using Optimal Correction Factors: The Recorder Case". Applied Sciences. 2021, 11(14):6426, doi.org/10.3390/app11146426.

J5 Spyros Polychronopoulos and Gianluca Memoli "Acoustic levitation with optimized reflective

metamaterials”, Scientific reports 10, 4254, 2020, doi.org/10.1038/s41598-020-60978-4. **Nature Portfolio, Top 100 in Physics Award, 10th position** in downloaded papers, Scientific Reports 2020.

J6 Konstantinos Bakogiannis, Spyros Polychronopoulos, Dimitra Marini, Chrēstos Terzēs, and Georgios Kouroupetroglou “ENTROTUNER: A computational method adopting the musician’s interaction with the instrument to estimate its tuning”, IEEE Access, Volume 8 (2020), pp. 53185 – 53195, doi.org/10.1109/ACCESS.2020.2981007.

J7 Marco A. B. Andrade, Spyros Polychronopoulos, Gianluca Memoli and Asier Marzo “Experimental investigation of the particle oscillation instability in a single-axis acoustic levitator”, AIP Advances 9, 035020 (2019), doi.org/10.1063/1.5078948.

J8 Spyros Polychronopoulos, Dimitris Skarlatos and John Mourjopoulos “Efficient filter - based model for Helmholtz resonator panel absorbers” Journal of Audio Engineering Society, Volume 62, pp. 14-24, 2014, aes.org/e-lib/browse.cfm?elib=17082.

J9 Spyros Polychronopoulos, Dimitris Kougias, Polykarpos Polykarpou and Dimitris Skarlatos “The use of resonators in ancient Greek Theaters”, Acta Acustica united with Acustica, Volume 99, pp.64-69, 2013, doi.org/10.3813/AAA.918589.

Conference Proceedings Publications Peer Reviewed

C1 Alexis Spiliotopoulos, Spyros Polychronopoulos and Yannis Panagakis “Exploring Non-Autoregressive Transformers for Efficient Adaptive Music Composition”, Hellenic Institute of Acoustics 2024 <https://conferences.helina.gr/2024/en/> (Rethimno, 17-19 October 2024).

C2 Spyros Polychronopoulos “Computational model for multiple acoustic levitation points with an ultrasonic plane wave and a grid of reflecting surface” Hellenic Institute of Acoustics 2022 (Thessaloniki, 14-16 October 2022).

C3 Spyros Polychronopoulos “LEM: a sound object that performs Live Electronic Music and proposes a new way to compose and distribute music”, International Computer Music Conference 2022 - Piece + Paper (3-9 July, in Limerick, Ireland).

C4 Bakogiannis Konstantinos, Spyros Polychronopoulos, Areti Andreopoulou and Georgaki Anastasia “Data and information transmission in the context of sonification”, ICAD <https://icad2021.icad.org> (Online, 25-28 June 2021).

C5 Dimitra Marini, Spyros Polychronopoulos, Konstantinos Bakogiannis and Georgios Kouroupetroglou “A unified comparative approach for wind instrument physical modeling: finite element vs digital signal processing methods”, 27th International Congress on Sound and Vibration, ICSV 27 <https://www.icsv27.org> (Online, 11-16 July 2021).

C6 Adili Norasikin, Gianluca Memoli, Spyros Polychronopoulos, Yutaka Tokuda, Diego Martinez and Sriram Subramanian “SoundBender: Dynamic acoustic control behind obstacles”, UIST 2018 (acceptance rate 21.3%) doi.org/10.1145/3242587.3242590 (Berlin, 14-17 October 2018).

C7 Spyros Polychronopoulos musical piece: “Electronic Music #1”, 4th Conference of the Hellenic Society for Acoustic Ecology <http://acoustic-ecology-lab.aegean.gr> (Mytilene, 3-6 November 2016).

C8 Spyros Polychronopoulos “An efficient filter-based model for calculating absorption coefficient and directivity of resonator panel absorbers”, Institute of Acoustics Bulletin, ISSN: 0308-437X, July / August 2015.

C9 Spyros Polychronopoulos “Feeling of movement”, music piece and paper, ICMC 2014 “music technology meets philosophy” <http://icmc14-smc14.eu> (Athens, 14-20 September 2014).

C10 Spyros Polychronopoulos, John Mourjopoulos, Dimitris Skarlatos and Kyriakos Papanagiotou “Directivity of panel absorbers calculation”, Hellenic Institute of Acoustics 2014 <https://conferences.helina.gr/2014> (Thessaloniki, 20-21 October 2014).

C11 Spyros Polychronopoulos, Dimitris Skarlatos and John Mourjopoulos “The bandwidth attenuation on series of resonators”, Hellenic Institute of Acoustics 2012 <https://conferences.helina.gr/2012> (Corfu, 8-10 October 2012).

C12 Panagiotis Karampatzakis, Vasilios Zafranias, Spyros Polychronopoulos and Georgios Karadedos “A study on Aristaxenus acoustic urns (The Vitruvian secret)”, European Acoustics Association Hellenic Institute Of Acoustics 2011 <http://www.ancientacoustics2011.upatras.gr> (Patras, 18-21 September 2011).

C13 Spyros Polychronopoulos, Dimitris Kougiass, Polykarpos Polykarpou and Dimitris Skarlatos “The use of resonators in ancient Greek Theaters”, European Acoustics Association Hellenic Institute Of Acoustics 2011 <http://www.ancientacoustics2011.upatras.gr> (Patras, 18-21 September 2011).

C14 Spyros Polychronopoulos, Dimitris Skarlatos, John Mourjopoulos “The effect of sound source position to the frequency response of the perforated panels”, Hellenic Institute of Acoustics 2010 <https://helina.gr/en/news/4/> (Athens, 4-6 October 2010).

C15 Spyros Polychronopoulos, Adreas Kokinos and Dimitris Skarlatos “A FEM model of a highway tunnel to observe and propagate the noise from the vehicles”, Hellenic Institute of Acoustics 2010 <https://helina.gr/en/news/4/> (Athens, 4-6 October 2010).

C16 Spyros Polychronopoulos, John Mourjopoulos and Dimitris Skarlatos “Measuring resonator panels’ frequency absorption and Q factor, using Finite Elements Method”, Proceedings pp.878-886, 17th International Congress on Sound and Vibration, ICSV 17 <http://www.proceedings.com/10414.html> (Cairo, 18-22 July 2010).

C17 Spyros Polychronopoulos, Anastasios Skarlatos and Dimitris Skarlatos “Measuring and improvement of the performance of the sound barriers using FEM models”, Hellenic Institute of Acoustics 2008 <https://helina.gr/en/news/5/> (Xanthi, 29 September – 1 October 2008).

C18 Tilemahos Zakinthinos, Dimitris Skarlatos and Spyros Polychronopoulos, “A model of predicting traffic’s noise”, Hellenic Institute of Acoustics 2006 <https://helina.gr/en/news/6/> (Heraklion, 18-19 September 2006).

C19 Haris Sougleris, Spyros Polychronopoulos and Dimitris Skarlatos “A factorial design for examining the effect of various factors on the comfort index NMV of small cars”, Hellenic Institute of Acoustics 2004 <https://helina.gr/en/news/7/> (Thessaloniki, 27-28 September 2004).

Publications’ Impact

Publications’ quality

Journal	JCR Impact Factor	Scimago Journal Rankings	Publication
UIST 2018	6,110	-	C6
IEEE Access	4,098	Q1	J1, J2 & J6
Scientific Reports	3,998	Q1	J5
Applied Sciences	2,679	Q2	J4
AIP Advances 9	1,620	Q2	J7
Acta Acustica united with Acustica	1,089	Q1	J9
JAES	0,790	Q2	J8
Archeologia e Calcolatori	0,409	Q3	J3

Google scholar Profile

References	208
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Awards

Top 100 in Physics, Nature Portfolio 2020, 10th Position in downloaded papers, Scientific Reports (<https://www.nature.com/collections/ihggebhehd>) with more than 800 published physics papers in 2020, with the work:

Spyros Polychronopoulos and Gianluca Memoli “Acoustic levitation with optimized reflective metamaterials”, Nature Scientific reports 10, 4254 (2020), doi.org/10.1038/s41598-020-60978-4.

Reviewer in Journals and Conferences

1. IEEE Access (ieeaccess.ieee.org)
2. Review of Scientific Instruments - AIP Publishing (aip.scitation.org/journal/rsi)
3. Audiomostly (audiomostly.com)
4. International Conference on Auditory Display (<https://icad.org>)

Other Publications

Spyros Polychronopoulos, Essay (book chapter) for the Greek poet Ilias Lagios, “The poet Ilias Lagios: ten years after his death”, Publisher: Erato October 2015.

Spyros Polychronopoulos, Essay “Here and now in music listening”, Avgi newspaper 16th November 2014.

Spyros Polychronopoulos, Essay “Fluctuation of utopia in music listening”, Avgi newspaper 23rd November 2014.

Spyros Polychronopoulos, Essay “Bare sound as a corollary of pure music: Symphony, discord, noise and their reception”, Anagnoseis Avgi newspaper 9th February 2014.

Musical Interests

Music composition / Algorithmic music / Sound Installations

New technologies in music reproduction and composition

Programming audio filters and digital instruments for music composition

Interactive audiovisual compositions, installations, and performances

Live sets, live coding, and free improvisation

Multichannel audio

Philosophy and aesthetics of music

Musical Performances

Approximately one hundred and fifty concerts in Greece, Germany, Italy, Austria, England, France, Spain, Portugal, Russia, Australia, and USA presenting: a) released material, b) free improvisation (live coding / live electronics) in a group with other musicians and video artists, c) installations (polyphonic pieces, interactive audio).

Musical Releases

Total: 20 LP albums, 2 EP albums, 18 pieces in compilations since 1999.

Record Labels: Room40 (Australia), Experimedia (USA), Young Girls records (Brussels), Creative Space (Greece), Senufo editions (Italy), Ad Noiseam (Germany), Poetanegra (Greece), Z.M.A. (Greece), Devic Craft Cordings (Greece), Demon Tea records (Australia), Impulsive Art (Greece), Wire magazine (UK), Hymen / Ant Zen (Germany), n5MD (USA), PsyHarmonics Records (Australia), Giwa Records (Australia), LoopSnoo Records (Greece), Freese magazine (Greece) and Tempest (Greece).

Notable Releases

Nyfida Sound Box, as a continuation and evolution of Live Electronic Music (2016), this release is again a musical box equipped with knobs and buttons, allowing the listener to interact with the execution of the musical material. This release brings together three artistic periods: before modernism, where from the invention of the phonograph onwards we can reproduce pre-recorded musical material; modernism, where the randomness of material execution is programmed by the artist; and post-modernism and beyond, where the choice for executing and shaping the work passes to the hands of the audience. Room40 (Australia 2024).

Duende an album whose sounds come from unique electroacoustic instruments made by the composer himself for the needs of this work, Room40 (Australia 2021).

Widdershins an album exploring the points of tension between spontaneous composition and free improvisation: Spyros Polychronopoulos (live coding / live electronics), Thanos Polymeneas-Liontiris (double bass) and Iakovos Pavlopoulos (percussion). The multi-channel recordings were processed and arranged by Spyros Polychronopoulos to shape the work, Room40 (Australia 2021).

Live Electronic Music an innovation in the distribution of music and the listening process: a music box (connected to headphones or speakers) that the music is not prefabricated or stored in the device memory and every playback is unique. Algorithmic music composition on a single board computer housed in a custom, polycarbonate box, Room40 (Australia 2016).

Feeling of Movement & Electronic Music a study of the perception of space when listening to recorded orchestral music (familiar timbres) and electronic sounds (unfamiliar timbres), Creative Space (Greece 2011) and Experimedia (USA 2014), respectively.

Ten Numbers & Ten Letters two audiovisual releases in a cd & dvd format. They were also performed live with live electronics affecting the produced video in real-time by mapping audio parameters to image parameters, Creative Space (Greece 2008 and 2009, respectively).

Albums

Spyros Polychronopoulos & Jannis Anastasakis – “Nyfida”, Room40 (Australia 2022)

Spyros Polychronopoulos – “Duende”, Room40 (Australia 2021)

Spyros Polychronopoulos, Thanos Polymeneas Liontiris and Iakovos Pavlopoulos – “Widdershins”, Room40 (Australia 2021)

Spyros Polychronopoulos – “Live Electronic Music”, Room40 (Australia 2016)

Spyros Polychronopoulos & Lionel Marchetti – “Two Mirrors”, Young Girls records (Brussels 2014)

Spyros Polychronopoulos – “Electronic Music”, Experimedia (USA 2014)

Spyros Polychronopoulos (feat Antonis Anissegos) – “Piano Acts”, Room40 (Australia 2013)

Spyweirdos – “Feeling of Movement”, Creative Space (Greece 2011)

Spyweirdos – “Two Ants Were Called”, Senufo editions (Italy 2011)

Spyweirdos & Floros Floridis – “The Sound Between Us”, Creative Space (Greece 2009)

Spyweirdos – “Ten Letters”, Creative Space (Greece 2009)
 Spyweirdos, John Mourjopoulos & Floros Floridis – “Epistrophy at Utopia”, Ad Noiseam (Germany 2008)
 Spyweirdos – “Ten Numbers”, Creative Space (Greece 2008)
 Spyweirdos – “Wetsound Orchestra”, Poetanegra (Greece 2006)
 Spyweirdos – “For Children to Play”, Z.M.A. (Greece 2005)
 Spyweirdos – “Fairytale”, Devic Craft Cordings (Greece 2003)
 Weird Alchemy – “Wired Alchemy”, Demon Tea records (Australia 2000)
 Weird Alchemy – “Turtle Rocket”, Online Label (Finland 1999)

Musical collaborations

Alva Noto (Germany/ Raster Noton), Murcof (Mexico/ the Leaf records), Lionel Marchetti (France/ Entr'acte), Ollie Olsen (Australia/ PsyHarmonics, Creative Space), B. Fleischmann (Germany/ Morr music), Hecq (Germany/ Hymen Records, Metropolis), Horchata (USA/ Ad Noiseam), Traject (Ireland/ Special Material), Snog (Australia/ Metropolis Records), Funckarma (Holland/ Delicatessen records), Timo (Finland/ PsyHarmonics), Larvae (USA/ Ad Noiseam), Pleq (Poland/ U Cover), Nam Shub Of Enki (Australia/ WMS), Thanos Polymeneas Lontiris (Greece / Room40), John Notaras (Greece/ Triplebath), Vasilis Tzavaras (Greece/ Triplebath), Giorgos Palamiotis (Greece/ Lyra), Antonis Anissegos (Greece/ Konnex Records), Floros Floridios (Greece/ Ano Kato Records, Lyra), Babis Papadopoulos (Greece/ Puzzle music, Lyra), Nikos Veliotis (Greece/ Antifrost), Sotiris Ntouvas (Greece/ Lyra), John Mourjopoulos (Greece/ Ano Kato Records), Stamatis Delaportas (Greece/ Triplebath), Andreas Polyzogopoulos (Greece/ Lyra), Iakovos Pavlopoulos (Greece / Room40), Jannis Anastasakis (Greece / Room40), Michalis Moschoutis (Greece / Room40), Harris Lambrakis (Greece / Underflow Records), John Spiridakis (Greece / Demon Tea).

Seniority / Other Activities

- 2011 – 2013 Instructor at the Department of Music Technology at the Professional Training Institute IEK Omiros, Athens, Greece, courses: Electronic Music Production & Electronic Music Composition.
- 2011 – 2013 Instructor at the Department of Recording and Music Technology of the Aegean College, Athens, Greece courses: Electroacoustic Music composition, Mixing / Mastering and managing a band, Sound engineering and Acoustics.
- 2010 – 2014 Intensive courses to the programmers of Lambrakis Institute about the new concepts on designing and programming web sites.
- 2010 – 2017 Teacher and founder of the intense once per year 1 week’s course: acoustics, music technology, music production and philosophy of music, Music Village, Greece (www.music-village.gr).
- 2008 Technical and technological support of the sound installation for Greek participation in biennale of Venice 2008.
- 2007 – 2011 Instructor at the Professional Training Institute IEK AKMI, Patras, Greece, courses: Multimedia Application Design, Electronic Music Composition, Recording Sound and Web Development.
- 2005 – 2013 Co-operator in the Physics Laboratory, department of Primary Education University of Patras, Greece
- 2005 –2013 Co-operator in the Electroacoustic Laboratory, department of Electrical and Computer Engineering University of Patras, Greece

- 2001 – 2010 Mastering and recording musical instruments in studios for an album release
- 2000 – today Lectures and workshops for: new ways of artistic expression, music programs, new electroacoustic systems, new technologies in production of music and generation of sound.

Specialization in Computers

Programming: Python, Visual Basic, C/C++, Fortran, Java

Programming / Simulation: MATLAB, COMSOL Multiphysics, Simulink, CATT-Acoustic, Cadna A, Odeon

Programs for sound processing and music composition: Ableton Live, Pure Data, Max/MSP, Tracker, Cubase, Logic, Steinberg Wavelab, CoolEdit Pro, Sony SoundForge, etc.

General Interests

Listening to music, philosophy (focusing on aesthetic theory), writing essays, literature, museums, movies, working out and chess.