

Curriculum Vitae (7-10-2020)



Personal information

Full Name: Georgios (Giorgos) Loukakis
Date, Place of Birth: 22 October 1976, Athens, Greece.
Nationality: Greek
Address: Alamanas 33, 38334, Volos, Greece.
Telephone numbers: (30) 6974370833, (30) 2421091355
Email address: gloukak@uth.gr
Linkedin: www.linkedin.com/in/giorgos-loukakis-80bb0a141/
Academia: uth.academia.edu/GLoukakis
Research Gate: www.researchgate.net/profile/Giorgos_Loukakis

Education

Jul. 2013 - Post Doctoral Researcher, Department of Architecture,
University Of Thessaly, Volos, Greece.
http://www.arch.uth.gr/en/staff/G_Loukakis
Jan. 2002 - April 2008 Ph.D. in Geotechnical Engineering, Department of Civil Engineering,
University of Thessaly, Volos, Greece.
Oct. 1996 - Sept. 2001 Diploma in Geology, Department of Geology, Aristotle University of
Thessaloniki, Thessaloniki, Greece.
Jan. 2002 - Department of Electrical & Computer
Engineering, University of Thessaly, Volos, Greece.

Theses

Post-Doctoral Thesis: "Use of game engines in the design and implementation of Olympus Mountain in a virtual reality environment. Department of Architecture, University Of Thessaly.

Funding Body: Stavros Niarchos Foundation.

Post-Doctoral Thesis: "The geological landscape in video games. Geomorphologic classification and analysis of digital geo-landscape".

Department of Architecture, University Of Thessaly.

PhD Thesis: "Empirical assessment of overbreak risk during swallow tunnel excavation"

Department of Civil Engineering, University of Thessaly.

Diploma Thesis: "Study of Eptamylon cave's sedimentary sequence"

Department of Geology, Aristotle University of Thessaloniki.

Congresses - Conferences - Meetings (peer reviewed full text proceedings)

Dec. 2020 4th International Congress on Ambiances. Alloaesthesia: Senses, Inventions, Worlds, "Olympus VR. Sediments of information and interaction", G. Loukakis, S. Papadopoulos, V. Bourdakis, University of California Santa Barbara, USA. (reorganized as an e-conference due to covid-19 outbreak)

Nov. 2019 And Yet It Moves 2019 - Expendable Bodies. Meeting, "Olympus VR", G. Loukakis, Department of Architecture, University of Thessaly, Volos, Greece.

Sep. 2019 3rd Pan-Hellenic Congress for the Digitization of Cultural Heritage - Euromed 2019, "Walking in the abode of the gods. Virtual wandering on the paths of Olympus", G. Loukakis, S. Papadopoulos, University of West Attica, Athens, Greece.

Feb. 2019 ICRETS2019: International Conference on Research in Engineering, Technology and Science, "Design Variations of Mount Olympus' Relief in a Virtual Reality Environment", G. Loukakis, Lisbon, Portugal.

- Sep. 2018 5th Pan-Hellenic Congress of Urban Planning and Regional Development, "Design and implementation of natural environment by using open data, free software and game engines", G. Loukakis, S. Papadopoulos, V. Bourdakis, Department of Urban Planning and Regional Development, University of Thessaly, Volos, Greece.
- Sep. 2016 Ambiances 2016 International Congress. Ambiances, Tomorrow, "The usage of game engines as an educational tool for the synthesis of digital environment", S. Papadopoulos, A. Zavitsanou, G. Loukakis, Department of Architecture, University of Thessaly, Volos, Greece.
- Jun. 2016 Gamefications. Education-Space-Culture. Meeting, "The geological landscape in video games. Geomorphologic classification and analysis of geo-landscape digital representation", Department of Architecture, University of Thessaly, Volos, Greece.
- Sep. 2015 4th Pan-Hellenic Congress of Urban Planning and Regional Development, "Educating 20.000.000 urban planners: Video games as a multi-modal educational tool or urban design", S. Papadopoulos, G. Loukakis, A. Malakasioti, Department of Urban Planning and Regional Development, University of Thessaly, Volos, Greece.
- Sep. 2015 Pan-Hellenic Congress for the Digitization of Cultural Heritage 2015, "Video games as interpretatively tools for the construction of digital cultural environments", S. Papadopoulos, G. Loukakis, A. Zavitsanou, University of Thessaly, Volos, Greece.
- May 2015 Digital Media & Cultural Heritage. Meeting, "Video game environments and educational applications in architecture", S. Papadopoulos, G. Loukakis, A. Malakasioti, G. Kalaouzis, Museum of Volos City, Volos, Greece.

- May 2013 Hybrid City 2013-Subtle rEvolutions. International Biennial Conference, "CLOUDS: Urban Landscape in Videogames - Representations and Spatial Narratives", S. Papadopoulos, A. Malakasioti, G. Loukakis, G. Kalaouzis, Panteion University of Social and Political Sciences, Athens, Greece.
- Apr. 2013 Multimedia Database as Narrative Mechanism. Symposium, "CLOUDS: Urban Landscape in Videogames - Representations and Spatial Narratives", S. Papadopoulos, A. Malakasioti, G. Loukakis, G. Kalaouzis, Department of Architecture, University of Thessaly, Volos, Greece.
- Mar. 2013 Congreso Internacional: Espacios Sonoros Y Audiovisuales. Creacion, Representacion y Diseno, "Spatial Stimuli in Video Games. An Audio-Visual Breakdown", Papadopoulos S., Malakasioti A., Loukakis G., Kalaouzis G. Madrid, Spain.
- Jul. 2012 AVANCA | CINEMA 2012 International Conference Cinema - Art, Technology, Communication, "Bajo la "Dirección" Videojuegos y Formación Arquitectónica", Papadopoulos S., Malakasioti A., Loukakis G., Kalaouzis G. Avanca, Portugal.

Prizes – Scholarships

- 2017-2020 Stavros Niarchos Foundation - Scholarship for Post-Doctoral Researchers.
- 2012 AVANCA | CINEMA 2012 – International Conference Cinema - Art, Technology, Communication. Innovation Prize for the article: "Bajo la "Dirección" Videojuegos y Formación Arquitectónica". Spiros Papadopoulos, Angeliki Malakasioti, Giorgos Loukakis, Giorgos Kalaouzis.
- 2004-2007 EU Grant Heraclitus I - PhD Scholarship

Professional Experience

- Oct. 2017 - Adjunct Professor, Department of Computer Science and Telecommunications, School of Science, University of Thessaly, Lamia, Greece.
- Feb. 2017 - Jun. 2017 Adjunct Teacher, Department of Architecture, University of Thessaly, Volos, Greece
- Jul. 2016 - Sep. 2016 General Secretariat, 3rd International Conference "Ambiances 2016. Ambiances, Tomorrow". Department of Architecture, University of Thessaly, Volos, Greece
- Feb. 2011 - Jul. 2011 Adjunct Professor. Department of Civil Engineering, University of Applied Science of Thessaly, Larissa, Greece.
- Aug. 2008 - Feb. 2014 Professional Geologist-Geotechnical Engineer.

Teaching Experience

- Oct. 2017 - Adjunct Professor. Course: "Architecture and development of video games", Department of Computer Science and Telecommunications, School of Science, University of Thessaly, Lamia, Greece.
- Feb. 2017 - Jun. 2017 Adjunct Teacher, course: "Special Topics On Representation: Digital Geo-Landscapes", Department of Architecture, University of Thessaly, Volos, Greece
- Feb. 2016 - Jun. 2016 Teaching Assistant, Course: "Narrations and spatial representations: From Experimental Cinema to Videogames", Department of Architecture, University of Thessaly, Volos, Greece.
Supervisor Professor: S.Papadopoulos.
- Oct. 2015 - Jan. 2016 Teaching Assistant, Department of Architecture, University of Thessaly, Volos, Greece. Architectural Synthesis Studio: "Landscapes In Motion - The River Studio / Cayasta".
Supervisor Professor: S.Papadopoulos.
<http://www.arch.uth.gr/el/studies/course/891>

Feb. 2013 - Jun. 2015 Teaching Assistant, Course: "Architecture and Videogames, Narrations and spatial representations", Department of Architecture, University of Thessaly, Volos, Greece.

Supervisor Professor: S.Papadopoulos.

<http://www.arch.uth.gr/en/studies/course/553>

Oct. 2013 - Jan. 2014 Teaching Assistant, Department of Architecture, University of Thessaly, Volos, Greece. Architectural Synthesis Studio "Digital Landscapes".

Supervisor Professor: S.Papadopoulos.

<http://www.arch.uth.gr/en/studies/course/655/7>

<http://theislandstudio.tumblr.com>

Sep. 2012 - Jan. 2013 Teaching Assistant, Department of Architecture, University of Thessaly, Volos, Greece. Architectural Synthesis Studio "The conditions of habitation".

Supervisor Professor: S.Papadopoulos.

<http://intheforeststudio.wix.com/intheforeststudio>

Laboratory Experience

Jul. 2013 - Body scan and motion capture techniques.

Laboratory of Environmental Communication and Audiovisual Representation (LECAD), Department of Architecture, University of Thessaly, Volos, Greece.

Feb. 2011 - Jul. 2011 Soil mechanics tests. Soil Mechanics Laboratory, Department of Civil Engineering, University of Applied Science of Thessaly, Larissa, Greece.

Nov. 2004 - Dec. 2006 Geotechnical engineering tests. Soil Mechanics Laboratory, Department of Civil Engineering, University of Thessaly, Volos, Greece.

Feb. 2000 - Mar. 2000 Granulometric analysis of sedimentary rocks. Laboratory of Engineering Geology and Hydrogeology, Department of Geology, Aristotle University of Thessaloniki, Thessaloniki, Greece.

Lectures

- Sep. 2020 "Level 1. Basic concepts and principles of video game design". Chaniartoon.
International comic and animation festival, Chania, Greece.
<http://chaniartoonfest.gr/index.php/en/workshops/workshops/2020/12-level1>
- Dec. 2019 "From videogames to virtual reality", Rise Higher Seminar Series, School
of Economics and Business, University of Thessaly, Volos, Greece.
- Jun. 2018 "Press Start. Basic design of videogames". 11th Larissa Developers Meetup:
Let's talk about Game Development. Linto Organization, Larissa, Greece.
<https://www.meetup.com/de-DE/Larissa-Developers-Meetup/events/251659878/>
- Apr. 2018 "Press Start. Basic design principles of video games".
9th Scientific Workshop for Students - Game Development,
IEEE University of Thessaly Lamia Student Branch, School of Science,
University of Thessaly, Lamia, Greece.
- Mar. 2018 "Intro to videogames". Innovation and Entrepreneurship Unit of the
University of Thessaly (MO.K.E.), University of Thessaly, Volos, Greece
<https://moke.uth.gr/>
- Nov. 2016 "The videogame collection of MOMA Museum".
Department of History, Archaeology and Social Anthropology,
University of Thessaly, Volos, Greece.
Course: "Digital Civilization"
Supervisor Professor: P.Petridis
- Dec. 2014 "Geological Landscape in Videogames. Analysis and Design",
Department of Architecture, University of Thessaly, Volos, Greece.
Course: "Theory and Criticism".
Supervisor Professor: P.Oreopoulos
<http://www.arch.uth.gr/en/studies/course/1203/9>
- Nov. 2014 "Urban Landscape in Videogames. Representations and Spatial
Narratives". Interuniversity- Interdepartmental Post Graduate Master's
Degree Program, University of Athens, Athens, Greece.

Course: "Moving Image as a mean of expression and communication"

Supervisor Professor: S.Papadopoulos.

<http://www.icte.ecd.uoa.gr/a06.html>

Nov. 2012 - 2013

"Urban Landscape in Videogames. Representations and Spatial Narratives". Interuniversity- Interdepartmental Post Graduate Master's Degree Program, University of Athens, Athens, Greece.

Course: "Moving Image as a mean of expression and communication"

Supervisor Professor: S.Papadopoulos.

<http://www.icte.ecd.uoa.gr/a06.html>

Participation in Publications - Exhibitions

2015

"Default Festival #5 - long time no sea", Participating with the photo collection entitled: "Screenshots". Tsalapata Museum, Volos, Greece.
default.gr/5

2007

"Alter Ego. Avatars and their creators" by Robbie Cooper,
ISBN-10: 1905712022, ISBN-13: 978-1905712021. Participation with the avatar AereVoS.

Digital Design Projects

2016

Video game, "Riddle of the Glitch"

www.youtube.com/watch?v=oUZLDIAYeVI

2014 - 2015

Digital Landscapes: voxelbucket.blogspot.gr

Cooperations

Nov. 2019

Copernicus Hackathon Thessaloniki. Invited Mentor, OK Thess, Thessaloniki, Greece.

<https://www.copernicus.eu/en/events/events/copernicus-hackathon-thessaloniki>

Oct. 2019

NASA Space Apps Challenge - Volos, Invited Mentor, Department of Urban Planning and Regional Development, University of Thessaly, Greece.

<https://2019.spaceappschallenge.org/locations/volos>

Jul. 2017

Participation in the research team "Centaurus Racing Team" of the Department of Mechanical Engineering of the University of Thessaly.

Design and implementation of a 3D gaming environment for the
"Thireus R" student formula car.

Seminars (participant)

Oct. 2012 Startup Weekend Volos, Polytechnic School. University of Thessaly,
Volos, Greece.

Sep. 2012 2o Intensive Entrepreneurship School, Unit of Innovation and
Entrepreneurship, University of Thessaly (MO.K.E.). Volos, Greece.

Licenses and Certifications

Greek Registered Geologist (GEO.TE.E), License Number 40408.

Greek Registered Researcher (YP.E.K.A.), License Number 19810 (A Class).