

Antonis Karakottas

MEng Electronics & Computer Engineering
at Aristotle University of Thessaloniki
GPA: 7.53 ECTS: 308
Thesis: Musical Gesture Analysis
Supervisor: Leontios Hadjileontiadis

An. Naltsa 26, Thessaloniki
54248, Greece

Mob.: +30-6946868339

Email: ankarakottas@gmail.com

Web: <http://ankarako.github.io>

Last updated: 14th September 2019

Links

Github:// [ankarako](#)

LinkedIn:// [antoniskarakottas](#)

Google Scholar:// [antoniskarakottas](#)

Skills

OS

Windows, GNU/Linux

LANGUAGES

C/C++, Python

COMPUTER GRAPHICS LIBRARIES

OpenGL, NVIDIA OptiX 5.1,

DEEP-LEARNING FRAMEWORKS

Caffe(C++), pyTorch(Python)

OTHERS

HTML5, CSS, Markdown, Git,

LaTeX, VS Code, MS Visual Studio,

Adobe Illustrator, Photoshop, Premiere

MS Word, Powerpoint

Education

GRADUATED: 2015

M.ENG. IN ELECTRONICS & COM-
PUTER ENGINEERING

Aristotle University of Thessaloniki

(AUTH)

CGPA : 7.53/10

Experience

2017-NOW Research Associate **Centre for Research & Technology Hellas**
Research Development for Hyper360 project (HORIZON2020, GA: 761934). Implementation and development of a low-cost Volumetric Capturing system. Development of a ray-tracing engine based on NVIDIA's OptiX 5.1 Library. 360° Depth and Surface estimation research.

C/C++, pyTorch(Python), Caffe(C++)

2017 Lecturer **IIEK Paster**
Lecturer at IIEK Paster (EQF Level 3). Courses: Automatic Control Systems, Electronics, Technical Design, Computer Systems and Programming.

Publications

2019 **360° Surface Regression with a Hyper-Sphere Loss**
Karakottas, A., Zioulis, N., Samaras, S., Ataloglou, D., Gkitsas, V., Zarpalas, D., Daras, P. (2019). 360° Surface Regression with a Hyper-Sphere Loss. In Proceedings of the 7th International Conference on 3D Vision (3DV).

2019 **Spherical View Synthesis for 360° Self-Supervised Depth Estimation**
Zioulis, N., Karakottas, A., Zarpalas, D., Alvarez, F., Daras, P. (2019). Spherical View Synthesis for 360° Self-Supervised Depth Estimation. In Proceedings of the 7th International Conference on 3D Vision (3DV).

2018 **Omnidepth: Dense depth estimation for indoors spherical panoramas**
Zioulis, N., Karakottas, A., Zarpalas, D., Daras, P. (2018). Omnidepth: Dense depth estimation for indoors spherical panoramas. In Proceedings of the European Conference on Computer Vision (ECCV) (pp. 448-465).

2018 **A low-cost, flexible and portable volumetric capturing system**
Sterzentsenko, V., Karakottas, A., Papachristou, A., Zioulis, N., Doumanoglou, A., Zarpalas, D., Daras, P. (2018, November). A low-cost, flexible and portable volumetric capturing system. In 2018 14th International Conference on Signal-Image Technology Internet-Based Systems (SITIS) (pp. 200-207). IEEE.

2018 **Augmented VR**
Karakottas, A., Papachristou, A., Doumanoglou, A., Zioulis, N., Zarpalas, D., Daras, P. Augmented VR, IEEE Virtual Reality, Mar 18-22, 2018.