

LUCA DI GIAMMARINO

PUBLICATIONS

Visual place recognition using LiDAR intensity information

L. Di Giammarino, I. Aloise, C. Stachniss and G. Grisetti

📅 Sep 2021

📍 Prague, Czech Republic

In 2021 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS) (pp. 4382-4389). IEEE.

HiPE: Hierarchical Initialization for Pose Graphs

T. Guadagnino, L. Di Giammarino and G. Grisetti

📅 Nov 2021

IEEE Robotics and Automation Letters, 7(1), pp.287-294.

MD-SLAM: Multi-cue Direct SLAM

L. Di Giammarino, L. Brizi, T. Guadagnino, C. Stachniss and G. Grisetti

📅 Dec 2022

📍 Kyoto, Japan

In 2022 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS) (pp. 11047-11054). IEEE.

Photometric LiDAR and RGB-D Bundle Adjustment

L. Di Giammarino, E. Giacomini, L. Brizi, O. Salem and G. Grisetti

📅 Giu 2023

IEEE Robotics and Automation Letters, 8(7), pp.4362-4369.

VISITS

CVG group headed by Marc Pollefeys

ETH Zurich

📅 Sep 2023 - Jan 2024

📍 Zurich, Switzerland

Carried on work in Active Localization field.

PROJECTS

Tracking camera in cinema studios

Sapienza University

📅 Jan 2020 - Jan 2022

📍 Rome, Italy - London, UK

Study of different sensors and technologies to best track camera in cinema studios.

TEACHING

Probabilistic Robotics

Sapienza University

📅 Sep 2020 - Dec 2020

📍 Rome, Italy

Teaching assistant of Prof. Giorgio Grisetti

Robot Programming

Sapienza University

📅 Sep 2021 - Dec 2021

📍 Rome, Italy

Teaching assistant of Prof. Giorgio Grisetti

EDUCATION

B.Sc. in Computer Science (*First class*)

Department of Mathematics and Computer Science, University of Salford, Manchester

📅 Oct 2014 - Jul 2017

M.Sc. in Artificial Intelligence and Robotics (*110 with Laude*)

Department of Computer, Control, and Management Engineering "Antonio Ruberti", Sapienza University, Rome

📅 Oct 2017 - Jan 2020

Ph.D. in Engineering in Computer Science

Department of Computer, Control, and Management Engineering "Antonio Ruberti", Sapienza University, Rome

📅 Nov 2020 - Jan 2024

Unified multimodal 3D reconstructions: leveraging parallels between camera and LiDAR

PROFESSIONAL SKILLS

C++
CUDA
Python
MATLAB



LANGUAGES

English



OTHERS

- Ethical Hacking and Incident Response course (2015), University of Zagreb, Croatia
- Event and Vendor Manager of Borgo Universo Festival, www.borgouniverso.com
- Driving License – B
- Previous work experiences as electronic board assembler for *SR Technology*, *L'Aquila* and mixologist in *Hilton Tower*, Manchester.