



Mail

bartolomeodellacorte@gmail.com

Personal Site

bartdc.gitlab.io

Bartolomeo Della Corte

Research Scientist @ Motional

Education and Work Experiences

January 2020 - ongoing

Motional AD LLC (former Nutonomy), Singapore

Research Scientist

HD Mapping and Localization for Autonomous Vehicles

City-Scale Map Merging

November 2016 - October 2019

Sapienza University of Rome

Ph.D. Engineering in Computer Science

Thesis title: *Leveraging Least Squares for a Unified Methodology in Mobile Robotics and SLAM problems*

Supervisor: Prof. Giorgio Grisetti

March 2018 - September 2018

Örebro University, Sweden

Visiting Ph.D. Student

Research Topics: Calibration, Truncated Signed Distance Field.

Supervisor: Prof. Henrik Andreasson, Todor Stoyanov

2015 - 2016

Sapienza University of Rome

Research Assistant

Research Topics: Simultaneous Localization and Mapping, Calibration.

Supervisor: Prof. Giorgio Grisetti

2012 - 2015

Sapienza University of Rome

Master of Science in Artificial Intelligence and Robotics

Thesis title: *Unsupervised Calibration of Wheeled Mobile Platforms*

Supervisor: Prof. Giorgio Grisetti and Dr. Maurilio Di Cicco

Final grades: First Class with Honors (110/110 cum laude)

2009 - 2012

Federico II University of Naples

Bachelor of Engineering in Computer Science

Thesis title: *Analisi e Simulazione del modello dinamico di un UAV.*

Supervisor: Prof. Vincenzo Lippiello

Selected Publications

A General Framework for Flexible Multi-Cue Photometric Point Cloud Registration

B. Della Corte, I. Bogoslavskyi, C. Stachniss and G. Grisetti.

IEEE International Conference on Robotics and Automation (ICRA), Brisbane, 2018.

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Unified Motion-Based Calibration of Mobile Multi-Sensor Platforms with Time Delay Estimation



B. Della Corte, H. Andreasson, T. Stoyanov and G. Grisetti.
IEEE Robotics and Automation Letters (RAL), 2019.

3D Map Merging on Pose Graphs

T.M. Bonanni, B. Della Corte and G. Grisetti.
IEEE Robotics and Automation Letters (RAL), 2017.

Unified Representation and Registration of Heterogeneous Sets of Geometric Primitives

F. Nardi, B. Della Corte, and G. Grisetti.
IEEE Robotics and Automation Letters (RAL), 2019.

 Google Scholar  orcid.org/0000-0002-5548-4474

Teaching Activities

2016-17-18-19, Sapienza University of Rome

Teaching Assistant of *Probabilistic Robotics*. Prof. G.Grisetti, Master Degree, First Semester.

2016-17, Sapienza University of Rome

Tutor of *Tecniche di Programmazione*. Proff. D.Nardi, G.Grisetti, A.Pretto, Bachelor Degree, Second Semester.

Languages

Italian

Mother-tongue

English

Advanced

Spanish

Intermediate

Catalan

Beginner

Interests

Professional

SLAM, Robotics, Computer Vision, Autonomous Robotics, Machine Learning

Programming

C/C++, Octave/Matlab, Python

Personal

Chess, Cinema, Basketball