

Mirco Colosi

Curriculum Vitae

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Education and Qualifications

- Oct 2017–
exp. Nov 2020 **Sponsorship for Ph.D. position**, Robert Bosch Corporate Research, Renningen,
Research Field: SLAM, Mobile Robotics, Life Long SLAM.
Advisor: Prof. Dr. Kai Oliver Arras
- Oct 2017–
exp. Nov 2020 **Ph.D. in Engineering in Computer Science**, Sapienza University of Rome, Rome,
Research Field: SLAM, Mobile Robotics, Life Long SLAM.
Advisor: Prof. Dr. Giorgio Grisetti
- Sep 2014–
Jul 2017 **Master of Science in Engineering in Artificial Intelligence and Robotics**,
Sapienza University of Rome, Rome, GPA – 110/110.
- Sep 2010–
Mar 2014 **Bachelor of Science in Computer Engineering**, University of Catania, Catania,
GPA – 102/110.

Scientific Activities

Publications

- [1] Colosi, Mirco and Haug, Sebastian and Biber Peter and Arras Kai Oliver and Grisetti Giorgio. Better Lost in Transition Than Lost in Space: SLAM State Machine. In *Proc. of the IEEE/RSJ Intl. Conf. on Intelligent Robots and Systems (IROS)*, 2019
- [2] Dominik Schlegel, Mirco Colosi, and Giorgio Grisetti. Proslam: Graph SLAM from a programmer's perspective. In *Proc. of the IEEE Intl. Conf. on Robotics & Automation (ICRA)*, 2018
- [3] D'Innocente, Antonio and Carlucci, Fabio Maria and Colosi, Mirco and Caputo, Barbara. Bridging between computer and robot vision through data augmentation: a case study on object recognition. In *Proc. of the IEEE Intl. Conf. on Computer Vision (ICCV)*, 2017

Teaching Activities

- 2017/2018 **Tutor of Laboratorio di Intelligenza e Grafica Interattiva**, Sapienza University of Rome, Rome.
Proff. Daniele Nardi, Roberto Capobianco
- 2017/2018 **Tutor of Tecniche di Programmazione**, Sapienza University of Rome, Rome.
Proff. Daniele Nardi, Luca Iocchi, Alberto Pretto

Reviewer

Conferences RA-L ICRA 2019, ICRA 2019, IAS 15, AAMAS 2019, RSS 2019, IJCAI 2019, IROS 2019, AURO 2019

Research Interest

SLAM, Mobile Robotics, Robot Navigation and Control, Calibration, Autonomous Robotics, Computer Vision, Machine Learning, Deep Learning

Skills

Computing and Robotics

- Solid C, C++ coding experience
- Hands-on and theoretical machine learning experience;
- Good knowledge of MATLAB, Python, Java, OpenGL, Bash;
- Strong knowledge of robotics and computer vision libraries and tools: ROS, OpenCV, Stage;
- Daily use of version control software: Git;
- Daily use of Unix/Linux, Windows and Robotics embedded Operating Systems;
- Good experience with Eclipse, L^AT_EX, Microsoft Office, LibreOffice;
- Good experience in developing mobile multi-robotics applications under ROS environment.

Teamwork

- Currently working at Robert Bosch Research Campus in Renningen, Germany, in the department of Robot Navigation and Perception (CR/AER1) under the supervision of Dr. Alexander Kleiner, Dr. Peter Biber, and Prof. Dr. Kai Oliver Arras as a Ph.D. student;
- Member of research laboratory *Ro.Co.Co.* under the supervision of Prof. Dr. Giorgio Grisetti as a Ph.D. student;
- Good ability to adapt to multicultural environments and to live in different countries.

Languages

Italian **Mother tongue**

English **C1**

Certification 2014: TOEFL(B2)

References

Giorgio Grisetti

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Management Engineering
Sapienza University of Rome
Via Ariosto, 25
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Luca Iocchi

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Management Engineering
Sapienza University of Rome
Via Ariosto, 25
00185 Rome, Italy
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