

# GAËTAN GARCIA

## PERSONAL DATA

---

NAME: Gaëtan GARCIA  
GENDER:  
PLACE AND DATE OF BIRTH: | 17 February 1961  
ADDRESS:  
PHONE:  
EMAIL:  
FAMILY STATUS:

## WORK EXPERIENCE

---

2014-today	Teacher of the Mobile Robots module, University of Genoa, Robotics Engineering curriculum
Since 1989	Assistant Professor, Ecole Centrale de Nantes.
1986-1989	Teaching Assistant, University of Nantes, Dept of Computer Science, during preparation of PhD.

## SCIENTIFIC EDUCATION

---

1982-1985	Engineer degree, Ecole Nationale Supérieure de Mécanique de Nantes
1985-1989	PhD in robotics, Ecole Nationale Supérieure de Mécanique de Nantes.

## RECENT PUBLICATIONS

---

Gaëtan Garcia, Salvador Domínguez-Quijada, Jean Marc Blosseville, Arnaud Hamon, Xavier Koreki, et al.. Experimental study of the precision of a multi-map AMCL-based localization system. 9th Workshop on Planning, Perception and Navigation for Intelligent Vehicle, Sep 2017, Vancouver, Canada.

Philippe Martinet, Gaëtan Garcia, Salvador Dominguez-Quijada, Olivier Kermorgant. Keynote on Sensor based navigation. 8th Workshop on Planning, Perception and Navigation for Intelligent Vehicles A bridge between Robotics and ITS technologies, Nov 2016, Rio de Janeiro, Brazil.

Simona Nobili, Salvador Dominguez-Quijada, Gaëtan Garcia, Philippe Martinet. 6 channels Velodyne versus planar LiDARs based perception system for Large Scale 2D-SLAM. 7th Workshop on Planning, Perception and Navigation for Intelligent Vehicles, Sep 2015, Hamburg, Germany.

Salvador Domínguez-Quijada, Bogdan Khomutenko, Gaëtan Garcia, Philippe Martinet. An optimization technique for positioning multiple maps for self-driving car's autonomous navigation. Intelligent Transportation System Conference Symposium, Sep 2015, Gran Canaria, Spain.

Salvador Dominguez-Quijada, Alan Ali, Gaëtan Garcia, Philippe Martinet. Comparison of lateral controllers for autonomous vehicle : experimental results. International IEEE Conference on Intelligent Transportation Systems, Nov 2016, Rio de Janeiro, Brazil.

Dominguez, Salvador Garcia, Gaëtan Fremont, Vincent Hamon, Arnaud. (2020). An Experimental Evaluation of Robustness and Precision for Long-term LiDAR-based Localization in Highly Changing Environments.

Salvador Dominguez, Gaëtan Garcia, Arnaud Hamon and Vincent Frémont, Longitudinal Dynamics Model Identification of an Electric Car Based on Real Response Approximation, 2020.