





Giuseppe Roberto Marseglia


Address: Via Soperga 13, 20127, Milano Italy


Born: 3/9/1988

 Tel.: +39-02 670 6262

 Cell.: +39-347 4661 070

 E-mail: groberto.marseglia@gmail.com

 Skype: groberto.marseglia

 LinkedIn: <https://it.linkedin.com/in/giuseppe-roberto-marseglia-32209231>

Motivation and interests:

I'm looking for a challenging and possibly international environment as management consulting or investment banking.

Skills:

Leadership (student representative at Collegio Ghislieri Pavia, pro-tempore member of Collegio Ghislieri's Board), Problem Solving, Analytical Approach, Team Work, Programming, Optimization, Process Control, Robotics, Automation, Data Analysis, Fault Detection

Professional Experience:

Contract professor – Università degli Studi di Pavia (September 2016 - September 2017, Model Identification course)

Visiting post-doc – UC Berkeley (September 2016 – September 2017)

Business Analyst – CGnal SpA (March 2016 – now)

Visiting researcher – Massachusetts Institute of Technology (MIT), Cambridge, MA (2013, 2014. 7 months , fault detection and diagnosis project)

Teaching Assistant – Università degli Studi di Pavia (Courses of Physics 1 and 2, Automatic and Process Control, Introduction to Automation and Control)

Technician – Collegio Ghislieri, Pavia (technical management of the cultural activity of Collegio Ghislieri)

Education:

PhD – Automation and Control - Università di Pavia (2016)

Diploma – Scienze e Tecnologie, Istituto Universitario di Studi Superiori (IUSS), Pavia (2012)

MSc – Computer Science Engineering (Automation and Control) – Università di Pavia (2012), 110/110 cum laude

BSc – Computer Science Engineering (Automation and Control) – Università di Pavia (2010), 110/110 cum laude

Student – Collegio Ghislieri, Pavia

Foreign education experiences:

Summer Student – Cambridge University, Cambridge, UK (2011, 2012)

Summer Course – Innovation & Entrepreneurship, Imperial College, London, UK (2014)

Languages:

Italian (mother tongue), German (professional), English (professional)

Research and publications:

Research topics: optimization, fault detection and diagnosis, process control, system identification.

Selected publications:

- *Fault-Tolerant Model Predictive Control with Active Fault Isolation*; D. Raimondo, **G.R. Marseglia**, R.D. Braatz, J.K. Scott, *2nd International Conference on Control and Fault-Tolerant Systems, 2013*

- *A Hybrid Stochastic-Deterministic Input Design Method for Active Fault Diagnosis*; J.K. Scott, **G.R. Marseglia**, L. Magni, R.D. Braatz, D. Raimondo, *52th IEEE Conf. Decision Control, 2013*

- *A Hybrid Stochastic-Deterministic Approach For Active Fault Diagnosis Using Scenario Optimization*; **G.R. Marseglia**, J.K. Scott, L. Magni, R.D. Braatz, D.M. Raimondo; *19th IFAC World Congress, 2014*

- *Optimal placement of wind turbines on a continuous domain: an MILP-based approach*; **G.R. Marseglia**, A. Arbasini, S. Grassi, M. Raubal, D.M. Raimondo; *American Control Conference 2015*

- *Constrained Zonotopes: A New Tool for Set-Based Estimation and Fault Diagnosis*; J.K. Scott, **G.R. Marseglia**, D.M. Raimondo, R.D. Braatz; *Automatica, accepted*

- *A multiparametric programming approach for active fault diagnosis*; **G.R. Marseglia**, D.M. Raimondo; *Automatica, accepted*

- *Closed-Loop Input Design for Guaranteed Fault Diagnosis using Set-Valued Observers*; D.M. Raimondo, **G.R. Marseglia**, R.D. Braatz, J.K. Scott; *Automatica, accepted*

Extracurricular and Volunteer:

Volunteering: International Camps for CISV, Banco Alimentare Volunteer

Hobby: Web design, Scuba Diving, Ju-Jitsu, Traveling

Awards:

Automatica Paper Prize Award over the years 2014-2016