



## **Simona Sacone**

Associate professor

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### ***Education and training***

**1992**

**'Laurea' degree in Electronic Engineering**

110/110 cum Laudem

University of Genova - Genova - IT

**1997**

**PhD on Electronic Engineering and Computer Science**

University of Genova - Genova - IT

### ***Academic experience***

**1999 - 2008**

**Assistant Professor of Automatic Control**

University of Genova - Genova - IT

**2008 - ONGOING**

**Associate Professor of Automatic Control**

University of Genova - Genova - IT

### ***Language skills***

**English**

Proficient

### ***Postgraduate research and teaching activity***

**Supervision of PhD students, residents and post-doctoral fellows**

Supervisor (tutorship) of the PhD studies of: Silvia Siri, Claudia Caballini, Carlo Caligaris, Cecilia Pasquale, Ilaria Rebecchi.

**PhD committees membership**

- Coordinator of the XXIX cycle of the PhD Course on Systems Engineering at the University of Genova, Italy
- Since the XXX cycle Member of the Steering Committee of the PhD

Course on Computer Science and Systems Engineering of the University of Genova, Italy.

- Member of the Steering Committee of the PhD Course on 'Logistics, Transportation Systems and Territory' of the University of Genova from 2006/2007 to 2012/2013.

## ***Research interests***

- Modelling, optimization and control of complex dynamical systems with specific application to manufacturing systems and transportation systems
- Modelling and control of traffic systems in urban and extraurban networks
- Medium/short-term planning of multimodal container terminals
- Planning, optimization and control of logistic networks and supply chain systems

## ***Editorial activity***

- Associate Editor of the IEEE Transactions on Intelligent Transportation Systems, dal 2016
- Associate Editor of IEEE Control Systems Magazine, dal 2017
- Guest Editor with Antonella Ferrara and Silvia Siri of the Special Issue 'Recent Trends in Traffic Modelling and Control', International Journal of Robust and Nonlinear Control, 2015
- Chair of the National Organizing Committee of CTS 2018, 15th IFAC Symposium on Control in Transportation Systems, 6-8 June 2018, Savona Campus, University of Genova
- Associate Editor and Member of the International Program Committee (IPC) of the 14th IFAC/IEEE Int. Workshop on Discrete Event Systems, WODES 2018
- Technical Associate Editor of the 20th IFAC World Congress, 2017
- Associate Editor and Member of the IPC of ITSC 2017, 20th IEEE Conference on Intelligent Transportation Systems
- Associate Editor and Member of the IPC of the IEEE Conference on Systems, Man, and Cybernetics 2017
- Associate Editor and Member of the IPC of IEEE ICVES 2017, IEEE Conference on Vehicular Electronics and Safety
- Associate Editor and Member of the IPC of ITSC 2016, 19th IEEE Conference on Intelligent Transportation Systems
- Associate Editor and Member of the IPC of the IEEE Conference on Systems, Man, and Cybernetics 2016
- Associate Editor and Member of the IPC of ICCL 2016, 7th Conference on Computational Logistics
- Associate Editor and Member of the IPC of the 13th IFAC/IEEE Workshop on Discrete Event Systems, WODES 2016
- Member of the IPC of the 14th IFAC Symposium on Control in

Transportation Systems, 2016.

- Member of the IPC of ADHS 2015, 5th IFAC Conference on Analysis and Design of Hybrid Systems
- Associate Editor and Member of the IPC of ITSC 2015, 18th IEEE Conference on Intelligent Transportation Systems
- Member of the IPC of 2015 IEEE Conference on Vehicular Electronics and Safety
- Associate Editor and Member of the IPC of ICCL 2015, 6th Conference on Computational Logistics
- Member of the IPC of ITSC 2014, 17th IEEE Conference on Intelligent Transportation Systems
- Member of the IPC of the IEEE Conference on Systems, Man, and Cybernetics 2014
- Associate Editor and Member of the IPC of the 12th IFAC/IEEE International Workshop on Discrete Event Systems, WODES 2014
- Member of the IPC of ITSC 2013, 16th IEEE Conference on Intelligent Transportation Systems
- Member of the IPC of the IEEE Conference on Systems, Man, and Cybernetics 2013
- Associate editor for the 2012 IEEE Conference on Robotics and Automation
- Associate Editor and Member of the IPC of the 11th IFAC/IEEE Workshop on Discrete Event Systems, WODES 2012
- Member of the IPC of the 13th IFAC Symposium on Control in Transportation Systems, 2012.
- Member of the IPC of the 10th IFAC/IEEE Workshop on Discrete Event Systems, WODES 2010
- Organized special sessions:
  - Open Invited Track "Control and coordination for synchromodal transport systems", IFAC 2017 World Congress, with Rudy Negenborn and Silvia Siri
  - 'Planning and control of freight transportation systems", 14th IFAC Symposium on Control in Transportation Systems, with Silvia Siri
  - 'Discrete-event and hybrid techniques applied to transportation systems: new trends and opportunities' a ADHS 2015, 5h IFAC Conference on Analysis and Design of Hybrid Systems, with Silvia Siri
  - 'Recent trends in traffic modelling and control', CDC 2013, 52nd IEEE Conference on Decision and Control, with Antonella Ferrara and Silvia Siri
  - 'Hybrid techniques for traffic systems modeling and control, ADHS 2012, 4th IFAC Conference on Analysis and Design of Hybrid Systems, with Silvia Siri
  - 'Automation Methods in Transportation Systems and Logistics', CASE 2011, 7th annual IEEE Conference on Automation Science and Engineering, with Silvia Siri
  - 'Optimization and control of transportation systems by discrete event and hybrid methods', 18th IFAC World Congress, 2011