



## **Silvia Siri**

Associate professor

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

2002

#### **Master Degree in Management Science Engineering**

110/110 cum laude

University of Genova - Genova - IT

2006

#### **Ph.D. Degree in Information and Communication**

##### **Technologies**

University of Genova - Genova - IT

### ***Academic experience***

2006 - 2016

#### **Postdoctoral research fellow**

University of Genova - Genova - IT

2016 - 2019

#### **Assistant Professor**

University of Genova - Genova - IT

2019 - ONGOING

#### **Associate Professor**

University of Genova - Genova - IT

### ***Research interests***

Her research interests deal with modelling, optimization and control of complex dynamical systems, in the area of traffic, logistics and energy systems. Most of her research activity has involved modelling and control of road traffic systems, specifically referring to the development of multi-class traffic dynamic models, the definition of optimization-based control schemes, the real-time regulation of freeway traffic systems accounting for sustainable issues. In the area of intermodal freight logistics, her research studies have been focused on the definition of mathematical models and algorithms for the optimal planning of intermodal nodes and logistic networks. A more recent research activity has been related to the definition of optimization tools for the design of electric mobility systems and distributed energy systems.

## ***Editorial activity***

She has taken part in many editorial activities. Presently, she is Associate Editor of the IEEE Transactions on Intelligent Transport Systems. Since 2012 she has been member of the IFAC Technical Committee TC 7.4 on Transportation Systems, for which she serves as Vice-Chair for Social Media, since 2014 she has been member of IFAC Technical Committee TC 1.3 on Discrete Event and Hybrid Systems and since 2017 Co-chair of the Technical Committee on Logistic Services of the IEEE Intelligent Transportation Systems Society. She currently is and has been member of the International Program Committee or Associate Editor of numerous international conferences and events in the area of automatic control, operations research and transportation systems. She has organized different invited sessions and tracks at international conferences and in 2016 she was Guest Editor of one special issue on the International Journal of Robust and Nonlinear Control. She has been involved in the organization of the 15th IFAC Symposium on Control in Transportation Systems, held in Savona, University of Genova, on June 2018, for which she has had the role of Co-Chair of the National Organizing Committee. She is also acting as co-Chair of the International Program Committee of the 16th IFAC Symposium on Control in Transportation Systems, to be held in Lille, on June 2021. Since 2019 she has been Member of the Board of Governors of the IEEE Intelligent Transportation Systems Society.