

Curriculum vitæ

Claudio Altafini

Coordinates

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Education

23/05/2001 **PhD** in Optimization and Systems Theory, Dept. of Mathematics, KTH, Stockholm, Sweden.

12/02/1996 **M. Sc.** (“**Laurea**”) in Electrical Engineering, University of Padova, Italy.

Employment

2014-on **Chaired Full Professor** in Automatic Control, Dept. of Electrical Engineering, Linköping University, Linköping, Sweden.

2005-13 **Assistant Professor** (“**Ricercatore**”, tenured), Applied Mathematics, International School for Advanced Studies (SISSA), Trieste, Italy.

2001-04 **Research Associate**, Applied Mathematics, SISSA.

1997-01 **PhD student**, KTH.

1996-97 **Process Control Engineer**, Cerestar Italia SpA.

1995-96 **Control Engineer**, ABB Industrial Systems AB, Västerås, Sweden.

Short-term positions

He has spent periods as visiting scientist in Technion, Haifa (6 months in 1997), Caltech (5 months in 2000), MIT (2 months in 2005), IMA, Minneapolis (2 months in 2008), IHES, Paris (2 months in 2010) and Univ. of Sydney (2 months in 2019).

Research interests

C. Altafini’s background is in Control & Systems Theory, in particular Nonlinear Dynamics and Geometric Control. In the last 10 years he has been working on modeling the dynamics and the control of large-scale complex networks in different applicative contexts, like engineering, socio-technological and biological sciences. Problems of interests are for instance consensus and coordination of multi-agent systems, as well as unraveling the emergent dynamical properties of large-scale networks using limited information on its structure at the nodes and edges.

Supervision

- Past: main supervisor of 6 completed PhD theses (5 in SISSA and 1 in Linköping), of a post-doc, and of ~ 20 M. Sc. theses.
- Current: main supervisor of 3 PhD students in Linköping

Editorial activities

- Associate Editor
 - *IEEE Transactions on Automatic Control* (2012-15)
 - *IEEE Transactions on Control of Network Systems* (2018-on).
 - *Automatica* (2019-on).
- Guest Editor for a special issue on “Dynamics and Behavior in Social Networks” for the *IEEE Trans. on Control of Network Ssystems*, (2020).
- Corresponding Guest Editor for a special issue on “Control of Quantum Mechanical Systems” for the *IEEE Trans. on Automatic Control*, (2010-11).
- Member of the IPC/CEB of around 40 International Conferences/Workshops in the area of Control (CDC, ECC, ACC) and Complex Networks.

Publications & Bibliographic data

- Publications:
 - 72 journal papers
 - 4 book chapters;
 - 65 papers in conference proceedings
- Bibliographic data of my publications (Google Scholar)
 - citations: ~4000; h-index: 26
 - Google Scholar page: [here](#)

	All	Since 2016
Citations	4302	2418
h-index	27	19
i10-index	66	38

