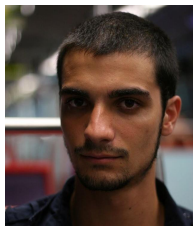







PERSONAL INFORMATION



Diego Romeres

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-  (+39) 3297941644
-  romeresd@dei.unipd.it
-  <http://automatica.dei.unipd.it/people/romeres.html>
-  Skype diego.romeres

Sex Male | Date of birth 07/02/1988 | Nationality Italian

EDUCATION AND TRAINING

01/01/2014–Present

Ph.D. in Information Science and Technology (ICT)

University of Padova, Padova (Italy)

- Machine Learning
- Bayesian System Identification
- Data Analysis

Advisor: Professor Alessandro Chiuso

15/01/2016–07/09/2016

Visiting Ph.D. Student

Technische Universität Darmstadt, Darmstadt (Germany)

- Learning Robot Dynamics

10/2014–12/2014

Visiting Ph.D. Student

ETH Zurich, Zurich (Switzerland)

- Power networks
- Slow coherency analysis and model reduction

03/2014–12/2014

Research Scholarship in Information Engineering

University of Padova, Padova (Italy)

- System identification applied to brain connectivity analysis
- Gaussian Regression
- Tikhonov regularization problems

Advisor: Prof. Alessandro Chiuso

10/2010–12/2012

Master of Science in Automation Engineering

University of Padova, Padova (Italy)

- Automatic Control, System Theory, Identification and Estimation, Operations Research, Industrial Automation, Robotics, Power Networks
- Erasmus scholarship at 'Instituto Superior Tecnico' Lisbon (PT).

110/110 summa cum
laude

01/2012–07/2012

Exchange Student Scholarship

University of California of Santa Barbara (UCSB), Santa Barbara (United States)

- Master thesis: slow coherency analysis in consensus and power network
- Courses: Distributed Systems and Control, Linear System II

10/2007–07/2010 **Bachelor of Science in Information Engineering**

107/110

University of Padova, Padova (Italy)

Thesis: Control of a *manipulator* with three degrees of freedom

Advisor: Giulio Rosati

Subjects: Control Theory, Computer Science, Electronics, Communication Systems, Mathematical Analysis, General Physics

WORK EXPERIENCE

09/2012–12/2012 **Working Student**

Siemens Corporate Technology, Munich (Germany)

Research project on smart grid and power network stability

Advisor: Ulrich Muenz

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C2	C1	C1	C1
GRE (expired), TOEFL (expired)					
Portuguese	B1	B2	B1	B1	A2
German	B1	B1	A2	A2	A2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
 Common European Framework of Reference for Languages

Communication skills

- Oral skills: acquired during several meeting and presentations in the different academic and working experiences.
 - Team spirit and conviviality acquired both in professional and social context. Professional context: several academic projects in different Universities and countries. Social and cultural context: 20 years of team sports, voluntary activities (association Mato Grosso), important abroad experiences and travels (in 4 continents).

Organisational / managerial skills

- lead, coordinate and be part of a group of people
 - set up and complete works autonomously

Job-related skills

Automatic Controls, Machine Learning, Data Analysis, Smart Grids

Other skills

Volleyball, Rock Climbing, Artistic Gymnastic, Private Tutor, Waiter

Driving licence

B

ADDITIONAL INFORMATION

Publications

- D. Romeres, M. Zorzi, A. Chiuso. Online semi-parametric learning for inverse dynamics modeling. Submitted to CDC 2016.

- G. Prando, D. Romeres, A. Chiuso. On-line Identification of Time-Varying Systems: a Bayesian approach . Submitted to CDC 2016.
- D. Romeres, G. Prando, G. Pillonetto, A. Chiuso. On-line Bayesian System Identification. ECC 2016.

- G. Prando, D. Romeres , G. Pillonetto, A. Chiuso. Classical vs. Bayesian methods for linear system identification: point estimators and confidence sets. ECC 2016 .
- D. Romeres, G. Pillonetto, A. Chiuso. Identification of stable models via nonparametric prediction error methods. ECC 2015.
- D. Romeres, F. Doerfler and F. Bullo. Novel Results on Slow Coherency in Power Networks. ECC 2013. Scopus number: 2-s2.0-84893236553
- U. Muenz and D. Romeres. Region of Attraction of Power Systems. NecSys 2013. Scopus number: 2-s2.0-84886608657
- S. Bolognani, A. Carron, A. Di Vittorio, D. Romeres and L. Schenato. Distributed multi-hop reactive power compensation in smart micro-grids subject to saturation constraints. CDC 2012. Scopus number: 2-s2.0-84874279087

Poster in Conferences

- D. Romeres, G. Prando, G. Pillonetto and A. Chiuso. Classical vs. Bayesian methods for linear system identification: point estimators and confidence sets. ERNSI 2015.
- D. Romeres, G. Prando, G. Pillonetto and A. Chiuso. On-line algorithms for Bayesian System Identification. ERNSI 2015.
- D. Romeres, G. Pillonetto and A. Stabilization Techniques for Bayesian System Identification. ERNSI 2015.

Computer Skills

- Languages and Software: Matlab, Simulink, Java, PLC(Graftec, Instruction List, modeling in GrafCET), Latex.
- Operating Systems: Windows, Unix.

Honours and awards

- Finalist Best Student Paper Award: D. Romeres, F. Doerfler and F. Bullo. Novel Results on Slow Coherency in Power Networks. ECC 2013. Scopus number: 2-s2.0-84893236553