

Luigi Carratino

PHD IN MACHINE LEARNING

DIBRIS - Università degli Studi di Genova · Via Dodecaneso, 35 - 16146 Genova, Italy

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Education

DIBRIS - Università degli Studi di Genova

Genova, Italy

PHD IN MACHINE LEARNING

Nov. 2016 - PRESENT

- Topic: "Resource Efficient Large-Scale Machine Learning"
- Advisor: Prof. Lorenzo Rosasco

Università degli Studi di Genova

Genova, Italy

MASTER IN COMPUTER SCIENCE

2014 - 2016

- Thesis: "Online Learning Approaches to Dynamic Pricing in a Partial Monitoring Setting"
- Advisors: Prof. Rui Castro, Prof. Lorenzo Rosasco
- Final score: 110/110 cum Laude

Università degli Studi di Genova

Genova, Italy

BACHELOR IN COMPUTER SCIENCE

2011 - 2014

- Thesis: "Iterative Methods for Sparse Learning"
- Advisors: Dr. Silvia Villa, Prof. Lorenzo Rosasco
- Final score: 110/110

SHORT VISITING POSITIONS

Eindhoven University of Technology

Eindhoven, Netherlands

VISITING RESEARCHER

Feb. 2016 - Jul. 2016

Publications

FALKON: An Optimal Large Scale Kernel Method

A. Rudi, L. Carratino, L. Rosasco — *Advances in Neural Information Processing Systems (NIPS)*, 2017

<https://arxiv.org/abs/1705.10958>

PREPRINTS

Learning with SGD and Random Features

L. Carratino, A. Rudi, L. Rosasco

On Fast Leverage Score Sampling and Optimal Learning

A. Rudi, D. Calandriello, L. Carratino, L. Rosasco

Talks

FALKON: An Optimal Large Scale Kernel Method

NIPS 2017 Poster Session, Dec. 2017

Tübingen MLSS Poster Session, Jun. 2017

Fast and Optimal Kernel Methods for Large Scale Machine Learning

PhD & Faculty Seminars, DIBRIS - University of Genoa, May. 2018

Stochastic Preconditioning for Optimal Large-Scale Machine Learning

SIMAI 2018 mini-symposium on Large Scale Optimization, Rome, Jul. 2018

Teaching

Regularization Methods for Machine Learning

Genova, Italy

TEACHING ASSISTANT, PHD COURSE ON ADVANCED MACHINE LEARNING, UNIVERSITY OF GENOVA

18-22 Jun 2018

Machine Learning

Genova, Italy

TEACHING ASSISTANT, MSC IN COMPUTER SCIENCE, UNIVERSITY OF GENOVA

Fall 2017

Regularization Methods for Machine Learning @ SIMULA

Oslo, Norway

TEACHING ASSISTANT, PHD COURSE ON ADVANCED MACHINE LEARNING, SIMULA RESEARCH LABORATORY

02-06 May 2017

Algorithms and Data Structures

TEACHING ASSISTANT, BSc IN COMPUTER SCIENCE, UNIVERSITY OF GENOVA

Genova, Italy

Spring 2017

Introduction to Programming

TEACHING ASSISTANT, BSc IN COMPUTER SCIENCE, UNIVERSITY OF GENOVA

Genova, Italy

Fall 2016

Scholarships & Awards

Jun. 2016 **PhD Studentship** from University of Genova

Nov. 2015 **Master Thesis Abroad Scholarship** from University of Genova

Jun. 2015 **Microsoft Big Data & IoT Food Hackathon - EXPO 2015** Ranked first in Data Modeling challenge

Services

Reviewer for NIPS 2018

Coorganizing Regularization Methods for Machine Learning 2018 school, Genova, Italy

Coorganizing Regularization Methods for Machine Learning @ SIMULA 2017 school, Oslo, Norway

Skills

Programming Languages: Advanced: MATLAB, PYTHON. Intermediate: C, C++. Basic: JAVA

Languages

Italian: Native

English: Fluent

Extracurricular Activity

Diploma in Piano Performance

CONSERVATORIO NICCOLÒ PAGANINI

Genova, Italy

2003 - 2012