

Lorenzo Andrea Rosasco
Curriculum Vitae et Studiorum

Personal Data

- Born in Genova (Italy), on April 19, 1976
- Italian and United States citizen
- Marital Status celibate
- Fluent in English (reading, writing and speaking)
- Home address:
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Education

- *Laurea* (Master) degree in Physics, University of Genova (I), December 12, 2001. Mark: 108/110. Dissertation title: *Optimal Choice of Regularization Parameter in Statistical Learning Theory*. Supervisors: Prof. Alessandro Verri, Computer Science Department (DISI), University of Genova; Michele Piana, Department of Mathematics (DIMA), University of Genova.
- Current position: Phd student in the Computer Science Department (DISI) of The University of Genova. Supervisor: Prof. Alessandro Verri.

Summer Schools

- Bertinoro International Spring School (BISS03), March 2-14, 2003, Bertinoro Italy.

Research Experience

- **Research Fellow.** Mathematical foundation of Statistical Learning Theory and development of effective learning algorithms, within FIRB project ASTAA (Statistical Learning Theory Algorithms and Applications).
- **Research Fellow.** Development of algorithms and software for the classification, clustering, ranking and filtering, both in an online and offline setting, of digital documents, within UE KerMIT (Kernel Methods for Image and Text classification, clustering, ranking and filtering).
- **Consultant.** Design and implementation of algorithms for the analysis and modelization of financial data using learning from examples techniques, within the start-up SLAM - Statistical Learning Applied to Market.

Invited Seminars

- **November 16, 2002:** Seminar: *An Equation for the Optimal Choice of Regularization Parameter in Statistical Learning Theory*, ASTAA Project Workshop, Fondazione Mediterraneo, Sestri Levante, Italy.
- **April 14, 2003:** Seminar: *Properties of Loss Functions in Statistical Learning Theory*, KerMIT Project Workshop, Fondazione Mediterraneo, Sestri Levante, Italy.
- **June 16, 2003:** Seminar: *Data Dependency and Model Selection*, ASTAA Project Workshop, Fondazione Mediterraneo, Sestri Levante, Italy.
- **October 23, 2003:** Seminar: *Text Categorization: Something Old and Something New*, Department of Mathematics, University of Modena, Italy.

Seminars and Workshops

- **November 18-19, 2001:** Esprit KERMIT Project Workshop, DISI-University of Genova, Genova, Italy.

- **June 2002:** Seminars: *A Tutorial on Inverse Problems and Regularization Theory*, DISI University of Genova, Genova, Italy. Speakers: Mario Bertero, Dipartimento di Scienze dell' Informazione; Michele Piana, Dipartimento di Matematica, University of Genova.
- **September 9, 2002:** Seminar: *Visual Processing for Cross-Country Autonomous Navigation*, DISI University of Genova, Genova, Italia. Speaker: Roberto Manduchi, University of California at Santa Cruz.
- **September 10-12-17, 2002:** Seminars: *Wavelet and Applications*, DISI University of Genova, Genova Italy. Speaker: Christine De Mol, Dipartimento di matematica, Université Libre de Bruxelles.
- **October 11-12, 2002:** ASTAA Project Workshop, ex-LAGA (S.Marta), Firenze, Italy.
- **November 15-16, 2002:** ASTAA Project Workshop, Fondazione Mediterraneo, Sestri Levante, Italy.
- **April 14-15, 2003:** KerMIT Project Workshop, Fondazione Mediterraneo, Sestri Levante, Italy.

Publications and Technical Reports

- M.Bertero, E. De Vito, M. Piana, L. Rosasco, A. Verri *Mathematical Aspects of Learning from Examples*, Technical Report DISI-TR-02-09, Dipartimento di Informatica e Scienze dell'Informazione (DISI), University of Genova.
- Rosasco L., Andrea Caponnetto, De Vito Ernesto, Piana M. and Verri A. *Are Loss Function All the Same?* to appear in Neural Computation.
- De Vito E., Rosasco L., Caponnetto A., Piana M. and Verri A. *Representer Theorem for Convex Loss Fuction*, Technical Report DISI.
- De Vito E., Rosasco L., Caponnetto A., Piana M. and Verri A. *Minimization of Tikhonov Functional: the Continuos Setting*, Technical Report DISI.
- De Vito E., Rosasco L., Caponnetto A., Piana M. and Verri A. *Properties of Regularized Kernel Methods* ,Technical Report DISI.
- De Vito E., Rosasco L., Caponnetto A., Piana M. and Verri A. *Model Selection for Regularization Networks*, Technical Report DISI.