Tommaso Pastore

Curriculum Vitae

Personal Information

Name	Tommaso Pastore
Date of birth	February 15^{th}, 1990
Position	PhD student in Operations Research
Affiliation	Department of Mathematics and Applications "R. Caccioppoli"
	University of Naples Federico II
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Education

11/2015-to date **PhD Program**, *University of Naples, "Federico II"*.
Supervisor: Paola Festa.

09/2015-10/2015 **Research Grant**, *"Optimization algorithm for decision-making processes"*, CeSMA, *University of Naples, "Federico II"*.

10/2012-7/2015 **MSc Mathematics**, *University of Naples, "Federico II"*, *110/110 cum laude*.
Thesis: "The generalized vehicle routing problem: theoretical foundations and solution approaches", advisor: Paola Festa.

1/2014-4/2014 **MIUR Project**, *"Messaggeri della conoscenza"*, study period at Université Paris-Dauphine.

10/2008-12/2012 **BSc Mathematics**, *University of Naples, "Federico II"*, *110/110 cum laude*.
Thesis: "The isoperimetric inequality on a plane", advisor: Bianca Stroffolini.

09/2003-07/2008 **Scientific Diploma**, *Liceo Ginnasio Statale, "G.B. Vico", Napoli.*, *93/100*.

Research Interests

Combinatorial optimization, network optimization, heuristic algorithms, metaheuristics.

Publications

[1] Giovanni Felici, Daniele Ferone, Paola Festa, Antonio Napoletano, and Tommaso Pastore. The solution of large-scale minimum cost sat problem as a tool for data analysis in bioinformatics. *PeerJ Preprints*, 4:e2635v1, 2016.

[2] Daniele Ferone, Paola Festa, Antonio Napoletano, and Tommaso Pastore. Re-optimizing shortest paths: From state of the art to new recent perspectives. In *Transparent Optical Networks (ICTON), 2016 18th International Conference on*, pages 1–5. IEEE, 2016.

Talks

Dec 2016 Bioinformatica e Biologia Computazionale in Campania (BBCC), CNR, Avellino, Italy.

"The solution of large-scale Minimum Cost SAT Problem as a tool for data analysis in bioinformatics"

Sep 2016 46^{th} Annual Conference of The Italian Operations Research Society (AIRO), Trieste $6-9$ September 2016.

Talk:"Topology optimization for stress-constrained lightweight structures"

Computer skills

Programming languages: C++, C, Python, Matlab, R

Tools: LaTeX, CPLEX

Operating Systems: Windows, Linux

Schools Attended

June 2016 COST/MINO PhD School on Advanced Optimization Methods 2016, CNR, Rome, Italy

February 2016 School and Workshop "PDEs and applications", University of Naples "Federico II"

Languages

Italian: Mother tongue

English: Fluent

French: good working knowledge

Brazilian Portuguese: basic communication skills

Mandarin Chinese: currently studying

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Other

- Tutoring activities for the teachings: "Calculus I", "Calculus II", and "Geometry and Linear Algebra" of the Engineering degree program, academic year 2016/2017. University of Naples "Federico II".
- Representative of the Students of the Mathematical degree program. Apr 2014-Jul 2015.