



Personal information

Surname(s) / First name(s)	Mele, Giampaolo
Email(s)	mele@mail.dm.unipi.it
Nationality(-ies)	Italian
Date of birth	April 3, 1989

Education

Secondary School	Obtained the Maturita' scientifica on 2008 from Liceo scientifico "Dante Alighieri"
University	Graduated on the 30/09/2011 with a bachelor's degree (laurea triennale) in mathematics from University of Pisa with 105/110 discussing the thesis: "Numerical method for delay differential equations", supervisor: D.A. Bini
Others	<p>Participant of "Rome-Moscow school of Matrix Methods and Applied Linear Algebra 2012", exams taken:</p> <ul style="list-style-type: none">– Iterative methods for large sparse structured linear systems– Displacement decompositions, matrix algebras, triangular Toeplitz matrices, Bernoulli numbers– Applied spectral graph analysis <p>Tutor for freshmen in Linear Algebra (2012)</p>

Main interests

Graph theory	Application of graph theory in social networks, spectral graph theory, fast diameter estimation, fast estimation of Fiedler vector
Numerical linear algebra	Structured linear systems, computation of sparse matrices and their applications
Physical mathematics	Orbit determination
Other	Numerical method for differential problems in particular Stiff problems, Facebook graph computation, Google matrix computation

Languages

Italian	Mother tongue
English	Fluent written and spoken

Computer skills

Operating systems	Good knowledge of GNU/Linux and Windows
Programming	Good knowledge of C, C++, matlab, FORTRAN and working knowledge of python
Other	Good knowledge of \LaTeX and basic HTML

Other information

Homepage	http://poisson.phc.unipi.it/~mele/
Sport played	Swimming and football
Interests	Reading detective stories, playing bass guitar and watching science fictions
Short description of myself	I am a very sociable person and I like work in group and listen the other people ideas