

Raul De Maio

Education

- Phd. Mathematical modeling for Engineering,** Rome, November 2015 - October 2018
La Sapienza University, Dipartimento di Scienze di Base per l'Ingegneria (SBAI).
Supervisors: F. Camilli (SBAI), A. Tosin (PoliTo)
Research Topics: differential problems on networks, transport of measures, mean field games.
- Master Degree in Applied Mathematics, La Sapienza University** Rome, October 2013 - October 2015
Final grade 110/110 cum laude, thesis: "A multi-scale approach on vehicular traffic".
- Tecnische Universität München** [Erasmus Program] Munich, Germany,
October 2014-March 2015
- Bachelor Degree in Mathematics, La Sapienza University** Rome, October 2010 - July 2013

Experiences

- Lecturer Analysis II course** Rome, A.A. 2016-17
Lecturer Analysis II course for Management Engineering at La Sapienza University.
- Lecturer [Preparatory course] at La Sapienza University** Rome, September 2016
- Consultant, with "FindYourDoc"** Lecco, July - September 2016
Occasional collaboration supervised by "Sportello Doc" and supported by Consortium C2T.

Projects and Awards

- Institut Francais: Borsa di mobilità dottorandi** Nice, France, September-December 2017
Winner of a scholarship to study in France for 3 month, to follow a research project about Big data, IoT, smart cities and smart communities.
- Workshop 124th ESGI (European Study Group with Industry)** Rome, August 2016
Participation and collaboration in an international team to help SAG Italia in soles production process.
- Fondazione IBM Italia: 25x25 Talenti project** Rome, September-October 2015
Selected and 2nd place with the team-project "Grownet".
- La Sapienza University: Excellence Course [Bachelor and Master]**
Successfully concluded advanced additional courses from 2012 to 2015, concluded with exams, thesis and a team-project.

Activities, Summer-schools and Workshops

- PDE models for Multi-Agent Phenomena, INdAM** Rome, November 2016
- Summer-school SCS2016: society, communication and science.** Turin, September 2016
Courses organized by Agorà Scienza, about several subject such as european projects, communication, public speaking, citizen science.
- Summerschool CIME** Cetraro, 4 - 8 July 2016
Nonlocal and nonlinear diffusions and interactions: new methods and directions.
- 11th Meeting on nonlinear hyperbolic PDEs and applications, SISSA** Trieste, June 13 -17 2016
- Analysis and Control on Networks: trends and perspectives** Padova, 9 - 11 March 2016

Additional Informations

Technical: familiarity with Linux, Microsoft and OS X. Able to code with C,C++, Matlab, Mathematica. Also a beginner with Python and R, for numerical and Statistical analysis.

Language: English (B2, Good User), German (basic knowledge, A2.2), Italian (native).

Interest and hobbies: photography, hiking, politics, traveling, culture and science.

Publications

1. F. Camilli, R. De Maio, A. Tosin, Transport of measures on networks,(accepted by Networks and Heterogeneous Media, [preprint on ArXiv](#)).