

Giacomo Elefante

Contact

Current Address:

Chemin du Musée, 23
Fribourg CH-1700
Switzerland

giacomo.elefante@unifr.ch

Languages

italian native speaking
english fluent
french intermediate

Programming Languages

Matlab
C, C++
Wolfram Mathematica
R
Python
LaTeX
HTML

Personal Data

Born in Adria (RO) - Italy on January 7th, 1991

Nationality: Italian

Gender: Male

Current Position

03.2015-Present **Université de Fribourg/ Universität Freiburg**

Ph.D. in Mathematics

Supervisor: Professor Jean-Paul Berrut

Fribourg/Freiburg, Switzerland

Experience

09.2016-Present **Université de Fribourg/ Universität Freiburg**

Teaching assistant 100%

Fribourg/Freiburg, Switzerland

04.2016-08.2016 **Université de Fribourg/ Universität Freiburg**

Teaching assistant 50%

Fribourg/Freiburg, Switzerland

06.2014-01.2015 **Università degli Studi di Padova**

Part-time collaboration

200 hours of part-time collaboration in the Library of the Math Department of University of Padova

Padova, Italy

Teaching assistant experience

Fall 2017 **Université de Fribourg/ Universität Freiburg**

*Introduction of Numerical Analysis I
Analysis I*

Fribourg/Freiburg, Switzerland

Spring 2017 **Université de Fribourg/ Universität Freiburg**

*Introduction of Numerical Analysis II
Mathematical Methods for Computer Science II*

Fribourg/Freiburg, Switzerland

Fall 2016 **Université de Fribourg/ Universität Freiburg**

*Introduction of Numerical Analysis I
Mathematical Methods for Computer Science I*

Fribourg/Freiburg, Switzerland

Education

12.2013–12.2015 **Master degree** in Mathematics

Cubature on manifolds with low-discrepancy and minimal energy points

Università degli studi di Padova

Supervisor: Prof. Stefano De Marchi

Co-Supervisor: Prof. Leszek Plaskota

02.2015–07.2015 **Exchange period** at Uniwersytet Warszawski

Exchange abroad in Warsaw (Poland) through Erasmus+ Studio programme

Erasmus+

10.2010–12.2013 **Bachelor degree** in Mathematics

Simulazione perfetta con automi cellulari probabilistici (Perfect simulation with probabilistic cellular automata)

Università degli Studi di Padova

Supervisor: Prof. Paolo Dai Pra

09.2005–07.2010 **Diploma** di Maturità

Liceo Scientifico P. Paleocapa

Papers

- 2018 **Quasi-Monte Carlo integration on manifolds with mapped low-discrepancy points and greedy minimal Riesz s -energy points** (draft)
Stefano De Marchi and Giacomo Elefante, Appl. Num. Math. 127(5), pp. 110-124 (2018)
- 2016 **A new quasi-Monte Carlo technique based on nonnegative least-squares and approximate Fekete points** (draft)
Claudia Bittante, Stefano De Marchi and Giacomo Elefante - Numer. Math. TMA. 9(4), pp. 640–663

Attended Conferences

Dolomites Research Week on Approximation 2017

at Alba di Canazei (TN), Italy - Organized by CAA-Research Group
September 04 - September 08, 2017

Sampling Theory and Applications, 12th International Conference

at Tallinn, Estonia - Organized by University of Tallinn et al.
July 03 - July 07, 2017

Colloque Numérique Suisse / Schweizer Numerik Kolloquium 2017

at Basel, Switzerland - Organized by Universität Basel, CUSO
April 28, 2017

WesNUM 2017

at Engelberg, Switzerland - Organized by Universität Basel, CUSO
February 07 - February 09, 2017

4th Dolomites Workshop on Constructive Approximation and Applications

at Alba di Canazei (TN), Italy - Organized by CAA-Research Group
September 08 - September 13, 2016

Colloque Numérique Suisse / Schweizer Numerik Kolloquium 2016

at Fribourg, Switzerland - Organized by Université de Fribourg, Haute école d'ingénierie et d'architecture Fribourg
April 22, 2016

Dolomites Research Week on Approximation 2015

at Alba di Canazei (TN), Italy - Organized by CAA-Research Group
September 05 - September 08, 2015

Posters

Integration on manifolds by mapped low-discrepancy points and greedy minimal k_s -energy points

at DWCAA16, Alba di Canazei (TN), Italy
September 08 - September 13, 2016

Divulgative Talks

Crittografia e codici: Protezione delle informazioni

TecDay 2017

with Edoardo Dotti at TecDay 2017 - Organized by satw and Liceo Lugano 1
at Lugano, Switzerland - November 29, 2017

Certifications

ECDL

Licence IT 1163983