

Alessandra Renieri

place and date of birth: Montegranaro, 03/01/ [REDACTED]

e-mail: alessandra.renieri@unicam.it

telephone: [REDACTED]

address: [REDACTED]

skype: [REDACTED]

linked-in: [REDACTED]

researchgate: [REDACTED]



_ Actual Position _

Adjunct professor at UNICAM - "*Mathematics*" for CTF (LM-13) students 2016/2017

Adjunct professor at UNIMC - "*Tecniche e Metodi della Didattica della Matematica*" for Primary Teacher Training (LM-85bis) 2016/2017

Member of *matematita* - Interuniversity research center for the communication and informal learning of mathematics - Camerino center
Supervisor for "*Laboratori di Matematica informale*", "*Flipped classroom in a Primary School*" research and "*Percorsi di Matematica fra Scuola di Infanzia e Scuola Primaria*" research at I.C. Montegranaro

Member of "*Unicam Science Outreach*" - Multidisciplinary research group in Science Communication, PI Silvia Benvenuti

_ Education _

2001 - 2006 Diploma - Liceo Classico "Leopardi", Macerata (100/100)

2006 - 2009 Bachelor Degree in Mathematics and Applications, L-32
University of Camerino - 110 cum laude
"*Bernoulli numbers and polynomials. Applications*"
Prof. Luigi Mangiarotti - Physical Mathematics and Number Theory

2009 - 2012 Master Degree in Mathematics and Applications, LM-40
University of Camerino - 110 cum laude
"*Quantum computation of the Jones polynomial*"
Prof. Riccardo Piergallini - (Quantum) Low dimensional Topology

2013 - 2016 Ph.D. in Information Sciences and Complex Systems
Mathematical Division
University of Camerino - "*Geometry in motion. Between research, didactics and communication*"
Prof. Silvia Benvenuti - Low dimensional Topology, Mathematics Education and Outreach
* October 2015 - January 2016: visiting researcher at the Mathematical Institute, UPS (Toulouse)
* defence 26.10.2016

Scholarship

Centro De Giorgi grant for the participation at the workshops: "Topological Quantum Information" and "Entanglement and Linking" – May 2011

Borsa d'eccellenza UNICAM, Excellence University grant from October 2006 to April 2012

Europass Leonardo "Ecomotion – Green skills in motion", UNICAM, Confindustria Marche, TU Vienna; from May 2012 to July 2012

Borsa di perfezionamento all'estero, Grant from University of Camerino, in collaboration with Isaac Newton Institute of mathematical Sciences (Cambridge).

Attendance to the programme "Topological Dynamics in the Physical and Biological Sciences" at INIMS (Cambridge) – from September 2012 to December 2012

CIME-CIRM Grant Attendance at the School "Mathematical Models and Methods for Living Systems"

Borsa Eureka, PhD grants from University of Camerino, Marche Region and E.T.A. (January 2012 – July 2016)

Outreach and educational activities

From 2013 to 2015	volunteer (UNICAM- Mathematics) at the <i>University Open Days</i>
May 2014 -	volunteer (UNICAM - Mathematics) at <i>Fosforo Science Festival</i>
April 2015 - today	matematita supervisor for <i>Laboratori di Matematica Informativa</i> at IC Montegranaro and ISC Camerino (Serravalle)
April 2015 -	ASI volunteer at <i>25° Anniversario del Civico Planetario "F. Martino"</i> , Modena
July/Agust 2015 -	ASI volunteer at <i>Festival delle Scienze 2015</i> (II Ed.), Agrigento
June 2015 -	Co-organizer <i>VereMathStreet</i> , Montegranaro
June 2016 -	Organizer <i>VereMathStreet</i> , Montegranaro

Conferences, Schools and Workshops

July 2013	<i>Introductory OpenFOAM®</i> (University of Genova), Genova
March 2014	<i>The Moving Mesh package Intensive Course</i> , COMSOL, Brescia
June 2014	<i>Galileo Innovactors' Festival</i> , Padova
September 2014	CIME-CIRM Course on <i>Mathematical Models and Methods for Living Systems</i> , Levico Terme (TN)
September 2014	<i>MATRIX</i> (Mathematics Awareness, Training, Resource, & Information Exchange) <i>Conference</i> , Dresda (Germany). [Invited speaker]
September 2014	Workshop <i>Tecniche di comunicazione verbale e non verbale nelle attività museali</i> by Dott. Stefano Pasqui (SAIP, Forlì), Polo Museale, Camerino
November 2014	<i>AIMS-Imaginary Math Communication in Africa Workshop</i> , Cape Town, Sud Africa. [Invited speaker and collaborator of AIMS-Imaginary team]
December 2014	Co-organizer <i>MathemAfrica</i> meeting at UNICAM
May 2015	INDAM Meeting <i>Chromatic and colored structures in geometry and statistical physics</i> , Cortona
June 2015	<i>Science&You</i> , Nancy (France). [Invited speaker]
July 2015	<i>2nd Eatcs Young Researchers School and TopdrimSchool</i> , Camerino

September 2015	<i>Campus Gutenberg, Comunicatio y Cultura Scientifica</i> , UPF Barcellona
November 2015	<i>Incontri con la Matematica n.29</i> , Castel San Pietro Terme [Invited speaker]
March 2016	<i>New Perspectives in Science Education</i> (PIXEL), Florence. [Invited speaker]
July 2016	<i>Knots in Hellas 2016</i> , Olympia
September 2016	Summer School <i>Scuola Scienza e Società</i> , Agorà Scienza, La Morra (CN)
September 2016	PRISTEM Congress <i>I matematici risolvono problemi. Idee, protagonisti, proposte didattiche</i> , Siracusa
October 2016	GI-Mat 2016 <i>Insegnare la Matematica oggi</i> , Catania. [Invited speaker]
November 2016	<i>Incontri con la Matematica n.30</i> , Castel San Pietro Terme

Publications

- S. Benvenuti, A. Renieri, *Big Bang Maths: the big bang moment of a Maths Communication team*, Proc. 5th Journées Hubert Curien, Science and You, Nancy, France, 2015.
- R. De Leone, I. Giancamilli, S. Manzionna, A. Renieri, *An outreach experience: assignment problem and stable marriage in a speed-date context*, Proc. 45th Annual Conference AIRO, Pisa, Italy, 2015.
- S. Benvenuti, I. Giancamilli, D. Malandra, A. Renieri, *Matematica in tuta*, Proc. 29th Convegno nazionale, Incontri con la Matematica, Castel San Pietro Terme (Bo), Italy, 2015.
- S. Benvenuti, I. Giancamilli, M. Mattioli, A. Renieri, *Intrecci*, Proc. 29th Convegno nazionale, Incontri con la Matematica, Castel San Pietro Terme (Bo), Italy, 2015.
- S. Benvenuti, I. Giancamilli, A. Renieri, *Body cognition and math education for pre-school children*, Proc. New Perspectives in Science Education, Florence, Italy, 2016
- S. Benvenuti, I. Giancamilli, D. Malandra, A. Renieri, *Body cognition ed educazione della Matematica in età prescolare*, accepted in *L'insegnamento della matematica e delle scienze integrate*, Centro Ricerche Didattiche Ugo Morin.

Teaching

- 2011/2012 didactic tutor in *Mathematics* for Biosciences and Biothechnologies (25 h.);
- 2013/2014 didactic tutor in *Mathematics* for Biosciences and Biothechnologies (25 h.);
assistant professor in *Mathematics* for Biosciences and Biothechnologies (12 hs);
- 2014/2015 didactic tutor in *Mathematics and Logic* for UNICAM (25 h.);
co-adjoint professor in *Computational Fluid Dynamics* (MAT/08) for L.M.Mathematics (42 hours);
substitute teacher in Informatics for ITC Gentili, Macerata (4 months).

Software

- Expert in all the Microsoft Office programs
- Expert in the mark-up LaTeX
- Experience with all the operating Systems (Mac OS, Windows, Linux,...)
- Experience with C and C++
- Experience with VENSIM (System Dynamics), SALOME, Open FOAM and COMSOL Multiphysics 5.0
- Experience with Illustrator and Premiere
- Limited experience with Mathematica

Languages

Italian (mother tongue)
English (B2): FCE Certificate
French (A1/A2)

Personal Profile

I am a curious and efficient person. I can adapt to difficult situations and I can manage both the team-work and the personal-work. I am particularly interested in Education and Outreach topics. I am a "nati per leggere" volunteer (project which promotes family reading for 0-6 years old children). I am member of the reading club "Viola Legge" in Matelica. I like listening to music, reading books, going to theatre, concert and cinema, travelling and meeting to cultures.

Montegranaro, 9/11/2016

Alessandra Renieri