

Alessandra Renieri

Current Position	<p style="text-align: right;"><i>e-mail:</i> alessandra.renieri@unicam.it</p> <p>Docente presso l'IIS <i>Mattei</i> di Recanati Member of the Research group “matematita” (Camerino) Member of the Research group “Unicam Science Outreach” (Camerino)</p>
Education	<p>Ph.D. in Information Sciences and Complex Systems (2013-2016) Mathematics curriculum International School of Advanced Studies, University of Camerino, Italy. Advisor: Prof. Silvia Benvenuti</p> <p>From October 2015 to January 2016 visiting PhD student at the Institut de Mathématiques de Toulouse, Université Paul Sabatier, under the supervision of Prof. F. Costantino</p> <p>Master of Science in Mathematics and Applications (12/04/2012) University of Camerino, Italy. Mark: 110/110 cum laude. Thesis: “Quantum computation of the Jones polynomial”. Advisor: Prof. Riccardo Piergallini</p> <p>Bachelor of Science in Mathematics and Applications (16/12/2009) University of Camerino, Italy. Mark: 110/110 cum laude. Thesis: “Bernoulli numbers and polynomials. Applications”. Advisor: Prof. Luigi Mangiarotti</p> <p>High School Diploma (2006) Liceo Classico “G. Leopardi”, Macerata, Italy. Mark: 100/100.</p>
Scholarships and Awards	<ul style="list-style-type: none"> • UNICAM merit scholarship, “Borsa di eccellenza” (2006–2012). • Scholarship by Centro De Giorgi, Scuola Normale di Pisa (May 2011) for the attendance at the “Topological Quantum Information” and “Entanglement and Linking” workshops. • UNICAM – Borsa di perfezionamento all'estero – (Isaac Newton Institute of mathematical Sciences (Cambridge)) (September/December 2012) • EUROPASS – PROGETTO Leonardo “Ecomotion – Green Skills in motion” 2012. (UNICAM, Confindustria Marche. Technological University of Vienna, Fachbereichsleiter Verkehrssystemplanung Department für Raumentwicklung, Infrastruktur- und Umweltplanung. • UNICAM poster award (2016) for the Scientific Day 2016.
Language skills	<p>Italian: mother tongue. English: fluent. French: basic.</p>
Language Certifications	<p>FCE, Cambridge ESOL certification</p>
Teaching	<p>A.Y. 2016-2017 Lecture for “Metodi e tecniche per l'insegnamento della Matematica” for SFBCT at Univ. of Macerata A.Y. 2016 - 2017 Lecturer for “Matematica” for CTF at Univ. of Camerino. A.Y. 2014 - 2015 Lecturer for “Computational Fluid Dynamics” (42 hours) for “Matematica e Applicazioni” (LM40) at Univ. of Camerino. A.Y. 2013 - 2014 Lecturer for “Mathematics” (12 hours) for “Biosciences and Biotechnology”</p>

	<p>at Univ. of Camerino. A.Y. 2013 - 2014 Didactic tutor for "Biosciences and Biotechnology" at Univ. of Camerino. A.Y. 2012 - 2013 Didactic tutor for "Mathematics and logic" at Univ. of Camerino. A.Y. 2011 - 2012 Didactic tutor for "Biosciences and Biotechnology" at Univ. of Camerino.</p>
Computer skills and competences	<p>Microsoft Office, Latex, Matlab, Mathematica, Comsol, OpenFoam, Salome, Adobe Premiere, Vensim</p>
Summer Schools, Courses	<ul style="list-style-type: none"> - Introductory OpenFOAM course delivered at the University of Genova from the 8th to the 12th of July 2013. - Seminar: On a Summation of a Family of Series, A. Vernescu (Valahia University), Camerino, 5th June 2013; - Seminar: Two New Accelerated Convergences to Euler's Constant by Convexity, A. Vernescu (Valahia University), Camerino, 6th June 2013; - Conference: First MATRIX (Mathematics Awareness, Training, Resource, and Information Exchange) Conference2 as an invited speaker, 18-20th September 2014, Dresden; - Workshop: AIMS-Imaginary Math Communication in Africa Workshop as a invited speaker and collaborator, 5-7th November 2014, Cape Town. - Intensive course: COMSOL Multiphysics, The Moving Mesh package, Dott. Cesare Tozzo; 25th March 2014, Comsol (Brescia); - Festival: Galileo Innovactors Festival- Salone Europeo del Trasferimento Tecnologico with grant, 3-5th June 2014, Padova; - Summer School: CIME-CIRM Course on Mathematical Models and Methods for Living Systems with scholarship by CIME-CIRM, 1-5th September 2014, Levico Terme (TN); - Course: Tecniche di comunicazione verbale e non verbale nelle attività museali, Dott. Stefano Pasqui, SAIPS, Forli; 25-27th September 2014, Camerino, Science Museum; . Festival delle Scienze: Notte con le Stelle, 2-10th August 2015, Associazione Scientifica Non-Profit Notte con le Stelle, Agrigento (Valle dei Templi) and Favara, Italy, as a co-assistant of the ASI-team. - Conference: 5th Journées Hubert Curien, Science and You , 2-6th June 2015, Nancy, France, as a speaker. . Convegno Nazionale Incontri con la Matematica n.29, La Didattica della matematica, disciplina per l'apprendimento, 6th-8th November 2015, Castel San Pietro Terme (Bo), Italy, as a speaker and co-assistant. - INdAM Meeting: Chromatic and colored structures in geometry and statistical physics, 24-30th May 2015, Cortona (Italy). - School: 2nd EATCS YOUNG RESEARCHERS SCHOOL and TopdrimSCHOOL: Understanding complexity and concurrency through topology of data, 13-22th July 2015, Unicam. (Attendance at the poster session). - Campus Gutemberg, Communication and Scientific Cultur, 14-15th September 2015, Universitat Pompeu Fabra, Barcelona, Spain. . Conference: New perspectives on Science Education, Pixel, Florence, 17-18th March 2016; - Knots in Hellas 2016, International Conference on knots, low dimensional topology and applications. - Summer School Scuola Scienza Società , La Morra (CN), 4th-9th September 2016; . Conference I matematici risolvono problemi. Idee, protagonisti, proposte didattiche , Siracusa, 30th September - 2nd October 2016; . Gi-Mat 2016, Insegnare la Matematica oggi , 21th-22th October 2016, as a speaker; - Convegno Nazionale Incontri con la Matematica n.30, , 6th-8th November 2015, Castel San Pietro Terme (Bo), Italy; - Conference SIRD 2016, Milan, Italy; - Conference at the ESPE, March 2017, Caen, France, invited as a speaker - Conference, March 2017, Univ. of Rouen, Rouen, France, invited as a speaker; - Conference PRISTEM, April 2017, Trento, Italy; - Convegno Nazionale Incontri con la Matematica n.31, November 2015, Castel San Pietro Terme (Bo), Italy

	- Course: Roboteach, December 2017, Recanati, Italy.
Papers	<p>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.</p> <p>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.</p> <p>S. Benvenuti, I. Giancamilli, D. Malandra, A. Renieri, Matematica in tuta, Proc. 29th Convegno nazionale, Incontri con la Matematica “La didattica della matematica, disciplina per l’apprendimento”, Pitagora Editrice Bologna, Bologna, Italy, 2015; ISBN 88-371-1912-7</p> <p>S. Benvenuti, I. Giancamilli, M. Mattioli, A. Renieri, Intrecci, Proc. 29th Convegno nazionale, Incontri con la Matematica “La didattica della matematica, disciplina per l’apprendimento”, Pitagora Editrice Bologna, Bologna, Italy, 2015; ISBN 88-371-1912-7</p> <p>S. Benvenuti, I. Giancamilli, A. Renieri, Body cognition and math education for pre-school children, Proc. New Perspectives in Science Education, Florence, Italy, 2016; ISBN:8862927053</p> <p>S. Benvenuti, I. Giancamilli, A. Renieri, Geometrie in movimento: l’uso del corpo in un percorso verticale di didattica della matematica, “Quaderni di Ricerca in Didattica (Mathematics)”, n. 26 Supplemento n. 1, G.R.I.M. (Dipartimento di Matematica e Informatica, Università degli Studi di Palermo) 2016.</p> <p>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.</p> <p>S. Benvenuti, I. Giancamilli, A. Renieri, Geometry in motion. between research, education and outreach, Proc. EDULEARN17 Proceedings, Barcellona, Spain, 2017; ISBN: 978-84-697-3777-4 ISSN: 2340-1117 doi: 10.21125/edulearn.2017.2025</p> <p>S. Benvenuti, M. Meschini, A. Renieri, Capovolgere la didattica: come, quando e perché, Proceedings GIMAT (II edizione) “Matematica e realtà: occasioni per apprendere”, Palermo, 2017.</p> <p>P. Bellingeri, S. Benvenuti, E. Féaux de Lacroix, A. Renieri, Tassellazioni e simmetrie: l’esperienza francese del Labosaïque, Proc. 31th Convegno nazionale, Incontri con la Matematica “Matematica, didattica e scuola: fra ricerca e prassi quotidiana”, Pitagora Editrice Bologna, Bologna, Italy, 2017; ISBN 88-371-1936-4</p> <p>A. Cattabriga, A. Renieri, L. Soverchia, Topologia contro le dipendenze, Proc. 31th Convegno nazionale, Incontri con la Matematica “Matematica, didattica e scuola: fra ricerca e prassi quotidiana”, Pitagora Editrice Bologna, Bologna, Italy, 2017; ISBN 88-371-1936-4</p> <p>M.L. Limongi, A. Renieri, Matematica e arte a scuola: le simmetrie del Perugino, Proc. 31th Convegno nazionale, Incontri con la Matematica “Matematica, didattica e scuola: fra ricerca e prassi quotidiana”, Pitagora Editrice Bologna, Bologna, Italy, 2017; ISBN 88-371-1936-4</p>