

Gianmarco BROCCHI

Curriculum Vitæ atque Studiorum

Last update: June, 2017

PERSONAL DETAILS

DATE OF BIRTH: 9th October 1990 EMAIL: gbrocchi@uni-bonn.de
PLACE OF BIRTH: Taranto, Italy WEB: poisson.phc.dm.unipi.it/~brocchi
CITIZENSHIP: Italian ADDRESS: Endenicher Allee 44, 53115 Bonn, Germany

CURRENT POSITION: **Master** student in MATHEMATICS at University of Bonn, Germany.

MAIN INTERESTS: Harmonic Analysis, Functional Analysis, Stochastic Analysis, Spectral Theory.

RESEARCH INTERESTS: Restriction theory, Sharp Strichartz estimates, Time-frequency analysis.

MAIN EDUCATION

2016–present Studies in MATHEMATICS, **University of Bonn**, Germany
2015–16 ERASMUS+ at **Friedrich-Wilhelms-Universität Bonn**, Germany
2014–16 Studies in MATHEMATICS, **University of Pisa**, Italy
OCT 2014 B.Sc. in MATHEMATICS, **University of Pisa**, Italy
Thesis: “Condizioni Tauberiane e Spazi di Hardy”
Advisor: Prof. Vladimir GEORGIEV
JUL 2009 High School Diploma
science liceum Ulisse Dini, Pisa, Italy

FURTHER EDUCATION

<i>Mar 2017</i>	Atelier d’Analyse Harmonique
Istitution	University of Nantes, France
Organizers	Cristina Benea (Université de Nantes), Frédéric Bernicot (CNRS - Université de Nantes) and Teresa Luque (Universidad Complutense - Madrid)
<i>Dic 2016</i>	Workshop “Young Women in Harmonic Analysis and PDE”
Istitution	Universität Bonn, Germany
Lecturers	Stefanie Petermichl (Université Paul Sabatier, Toulouse) and Gigliola Staffilani (MIT)
<i>Nov 2016</i>	Fall School on “PDEs and Probability”
Istitution	AIMS, Mbour, Senegal
Organizers	Mouhamed M. Fall (AIMS Senegal) and Tobias Weth (University of Frankfurt)
<i>Oct 2016</i>	Workshop: New trends in Partial Differential Equations
Istitution	Centro di Ricerca Ennio De Giorgi, Pisa, Italy
Organizers	Luigi Berselli, Ferruccio Colombini, Marco Ghimenti, Marina Ghisi, Nicola Visciglia (Università di Pisa), Carlo Romano Grisanti (Dipartimento di Matematica Applicata, Pisa)

<i>Sept 2016</i>	PISA-HOKKAIDO Summer School: Mathematics and Its Applications
Istitution	University of Pisa and Scuola Normale Superiore, Pisa, Italy
Lecturers	Hideo Kubo (Hokkaido University), Tommaso Pacini (Scuola Normale Superiore, Pisa)
<i>Sept 2016</i>	Summer School on Paraproducts and Analysis of Rough Paths
Istitution	Universität Bonn, Kopp, Germany
Organizers	Prof. Dr. Massimiliano Gubinelli (University of Bonn), Prof. Dr. Christoph Thiele (University of Bonn)
<i>Jul 2016</i>	Summer School on Spectral theory and applications
Istitution	Université Laval, Québec City, Canada
Organizers	C. Bénéteau, D. Khavinson (University of South Florida), A. Girouard, J. Mashreghi, T.J. Ransford (Université Laval)
<i>Oct 2015</i>	Conference “Panorama of Mathematics”
Istitution	Hausdorff Center, Bonn, Germany
Speakers	Cedric Villani (Institut Henri Poincare, Paris), Laure Saint-Raymont (Harvard University), Jörgen W. Weibull (Stockholm School of Economics), Richard D. James (University of Minnesota), Darrell Duffie (Stanford University)
<i>Aug 2015</i>	Summer School on Differential Equations and Differential Geometry
Istitution	Hokkaido University, Sapporo, Japan
Speakers	S. Galatolo (University of Pisa), V. Georgiev (University of Pisa), T. Pacini (Scuola Normale Superiore)
<i>Jul 2015</i>	Summer School on Mathematical and Statistical Models of Economic Growth
Istitution	Hokkaido University, Sapporo, Japan
Speakers	G. Bottazzi, F. Tamagni, A. Martinelli (Scuola Sant’Anna), M. Nishibe (Hokkaido University)

TALKS (AS SPEAKER)

Mar 2017	Extremizers for Strichartz estimates for perturbed Schrödinger equations , after Oliveira e Silva and Quilodrán <i>Atelier d’Analyse Harmonique</i> , University of Nantes, France
Feb 2017	Endpoint Strichartz Estimates , after Keel and Tao <i>Course “Geometric Aspects in Harmonic Analysis”</i> , University of Bonn, Germany
Sept 2016	Controlling rough paths , after Massimiliano Gubinelli <i>Summer School on Paraproducts and Analysis of Rough Paths</i> , Kopp, Germany
Dec 2015	Asymptotics, frequency modulation, and low regularity ill-posedness for canonical defocusing equations , after Christ, Colliander and Tao <i>Graduate seminar on Nonlinear Fourier Transform</i> , University of Bonn, Germany
Sept 2015	Minimax methods and geodesics , after Michael Struwe <i>Course in Calculus of Variations</i> , University of Pisa, Italy

WORK AND TEACHING EXPERIENCE

May – Jul 2015 Istitution	Tutor in <i>Complementi di Analisi Matematica</i> Department of Energy, Systems, Territory and Costruction Engineering, University of Pisa, Italy
Feb 2015 Istitution	Tutor at <i>XI Settimana Matematica</i> Department of Mathematics, University of Pisa, Italy
Feb 2012 Istitution	Tutor at <i>VIII Settimana Matematica</i> Department of Mathematics, University of Pisa, Italy

LANGUAGES

ITALIAN (reading, listening, speaking, writing): mother-tongue.

ENGLISH (reading, listening, speaking, writing): fluent.

2015: B2 certificate issued by C.L.I - Centro Linguistico Interdipartimentale, University of Pisa, Italy.

GERMAN (reading, listening, speaking, writing): basic.

2016: A2 certificate issued by International Office, Universität Bonn, Germany.

COMPUTER SKILLS

Advanced Knowledge:	GNU/LINUX, Bash, \LaTeX , HTML, CSS
Intermediate Knowledge:	C, Python, FORTRAN, git, \LaTeX BEAMER, OCTAVE
Basic Knowledge:	OCAML, C++, Vala

Software Projects

Hashtags, Tweets analyser in C.

Face Feature Extraction, after D. Blondel, Ngoc-Diep Ho and P. van Dooren (2007).

Iterative Filtering in Reputation Systems, after de Kerchove and P. van Dooren (2010).

OTHER INTERESTS AND ACTIVITIES

Aug 2016 Istitution	Participation in GUATEC , the GNOME Conference Karlsruhe Institute of Technology (KIT), Karlsruhe, Germany Workshop: Packaging your application using Flatpak Tutors: <i>Alexander Larson</i> (Red Hat) and <i>David King</i> (Red Hat)
Oct 2012 Istitution	Speaker at LinuxDay , event on Linux and Free Software University of Pisa, Italy
Oct 2010 Istitution	Participation in GUIMeeting , \TeX and \LaTeX Italian users meeting Scuola Superiore Sant'Anna, Pisa, Italy

Volunteering, Web development, Game Theory, Theater and Improvisation, Reading, Traveling.