
CURRICULUM VITAE ET STUDIORUM

CATERINA STOPPATO

Personal information

NAME	Caterina Stoppato
DATE AND PLACE OF BIRTH	born on November 14, 1982 in Florence, Italy
NATIONALITY	citizen of Italy and of the United States of America
FAMILY	married since 2010, one daughter born in 2018
E-MAIL	caterina.stoppato@unifi.it
WEBPAGE	https://people.dimai.unifi.it/stoppato/
AFFILIATION	Università di Firenze, DiMaI “U. Dini” Viale Morgagni 67/A, I-50134 Firenze, Italia

Habilitations

FIELD	Geometry and Algebra
VALID	September 18, 2018 to September 18, 2029, in Italy
TO ACCESS THE RANK OF	Full Professor

Current position

INSTITUTION	Università degli Studi di Firenze
POSITION	Associate Professor
SINCE	April 13, 2020

Research projects

PROGETTO UNIFI (CURRENT)	<i>Teoria delle funzioni ipercomplesse e applicazioni</i>
ROLE	Principal Investigator

FOE 2014 - MIUR (CURRENT)	<i>SUNRISE</i>
ROLE	Unit coordinator (P.I.: C. Giannelli)

PRIN 2022 - MIUR (CURRENT)	<i>Real and complex manifolds: geometry and holomorphic dynamics</i>
ROLE	Participant (Coord.: D. Angella, P.I.: F. Bracci)

FIRB 2012 - MIUR	<i>Differential Geometry and Geometric Function Theory</i>
ROLE	Principal Investigator

PRIN 2017 - MIUR	<i>Real and complex manifolds: topology, geometry and holomorphic dynamics</i>
ROLE	Participant (Coord.: D. Angella, P.I.: F. Bracci)

PRIN 2010-11 - MIUR	<i>Varietà reali e complesse: geometria, topologia e analisi armonica</i>
ROLE	Participant (Coord.: M. Peloso, P.I.: F. Ricci)

FIRB 2008 - MIUR	<i>Geometria Differenziale Complessa e Dinamica Oloromorfa</i>
ROLE	Participant (Principal Investigator: F. Bracci)

PRIN 2007 - MIUR	<i>Proprietà geometriche delle varietà reali e complesse</i>
ROLE	Participant (P.I.: V. Ancona)

PRIN 2007 - MIUR	<i>Geometria Differenziale e Analisi Globale</i>
ROLE	Participant (Coord.: F. Podestà, P.I.: S. Salamon)

Assistant Professorships

INSTITUTION	Università degli Studi di Firenze
POSITION	Assistant Professor (temporary)
DATES	February, 2016 - April, 2020

INSTITUTION	Istituto Nazionale di Alta Matematica “F. Severi”
POSITION	Research Assistant Professor
DATES	May, 2014 - January, 2016

Postdoctoral experience

INSTITUTION	Istituto Nazionale di Alta Matematica “F. Severi”
POSITION	postdoctoral research fellow, PI of the aforementioned project
DATES	May 2013 - April 2014

INSTITUTION	Università degli Studi di Milano
POSITION	postdoctoral research fellow, with research funds
DATES	September 2011 - April 2013

INSTITUTION	Università Politecnica delle Marche
POSITION	postdoctoral research fellow, adjunct professor
DATES	January - August 2011

INSTITUTION	Università di Roma “Tor Vergata”
AWARD	“Cuozzo” prize
YEAR	2011

INSTITUTION	Accademia Nazionale dei Lincei
POSITION	“Mino Bontempelli” research fellow
DATES	July - December 2010

INSTITUTION	Università degli Studi di Firenze
POSITION	research fellow
DATES	March - June 2010

Research awards

INSTITUTION	Università di Roma “Tor Vergata”
NAME	“Cuozzo” prize
YEAR	2011

Education

DEGREE	PhD in Mathematics
INSTITUTION	University of Florence
THESIS	<i>Regular functions of one quaternionic variable</i> (advisor G. Gentili)
DATES	January 1, 2007 - February 25, 2010
SUPPORT	Three-year doctoral fellowship

DEGREE	Master’s degree in Mathematics
GRADE	110 out of 110 cum laude
INSTITUTION	University of Florence
THESIS	<i>Funzioni regolari sui numeri di Hamilton</i> (advisor G. Gentili)
DATES	September 28, 2004 - October 12, 2006
SUPPORT	Scholarship and graduation prize, Istituto Nazionale di Alta Matematica

DEGREE	Bachelor’s degree in Mathematics
GRADE	110 out of 110 cum laude
INSTITUTION	University of Florence
THESIS	<i>Omologia e applicazioni</i> (advisor G. Gentili)
DATES	September 17, 2001 - September 28, 2004
SUPPORT	Three-year scholarship, Istituto Nazionale di Alta Matematica

Language skills

ITALIAN	
ENGLISH	
SPANISH	certificate of level B1, University of Florence
PORTUGUESE	certificate of level B1, University of Florence
FRENCH	Diplôme d'Études en Langue Française 1er degré

Periods abroad

INSTITUTION	Massachusetts Institute of Technology (Cambridge, MA, USA)
DATES	August 31 - December 17, 2007
INSTITUTION	Chapman University (Orange, CA, USA)
DATES	January 3 - 20, 2009
INSTITUTION	Universidad de Sevilla (Spain)
DATES	June 14 - 19, 2010
INSTITUTION	Chapman University (Orange, CA, USA)
DATES	July 3 - 21, 2012
INSTITUTION	University of Arkansas (Fayetteville, AR, USA)
DATES	March 16 - 22, 2014
ISTITUZIONE	King's College London (UK)
PERIODO	September 10 - 13, 2014
INSTITUTION	University of California at Davis (USA)
DATES	October 14 - 24, 2015
INSTITUTION	University of California at Davis (USA)
DATES	January 4 - 7, 2024

Affiliations

SOCIETY	Unione Matematica Italiana (UMI)
ROLE	Member
INDAM GROUP	GNSAGA - section 2
ROLE	Participant, 2007-2024
RESEARCH CENTER	CECHA Chapman University (Orange, CA, USA)
ROLE	Member

Research interests

- ▷ Function theory in one (hyper)complex variable and its applications
- ▷ Bergman spaces
- ▷ Holomorphic dynamics

Preprints

AUTHORS	R. Ghiloni, C. Stoppato
TITLE	<i>A unified theory of regular functions of a hypercomplex variable</i>
ARCHIVED ON	https://doi.org/10.48550/arXiv.2408.01523
AUTHORS	S. G. Krantz, M. M. Peloso, C. Stoppato
TITLE	<i>On a higher-dimensional worm domain and its geometric properties</i>
ARCHIVED ON	https://doi.org/10.48550/arXiv.2406.04905

Monograph

AUTHORS	G. Gentili, C. Stoppato, and D.C. Struppa
TITLE	<i>Regular functions of a quaternionic variable</i>
SERIES	Springer Monographs in Mathematics
SECOND EDITION	Springer-Verlag Berlin Heidelberg, 2022
FIRST EDITION	Springer-Verlag Berlin Heidelberg, 2013

Journal articles 2017-2024

AUTORI	R. Ghiloni, C. Stoppato
TITOLO	<i>A unified notion of regularity in one hypercomplex variable</i>
RIVISTA	<i>J. Geom. Phys.</i> , 2024

AUTHORS	R. Ghiloni, C. Stoppato
TITLE	<i>Quaternionic slice regularity beyond slice domains</i>
JOURNAL	<i>Math. Z.</i> , 2024

AUTHORS	S. G. Krantz, A. Monguzzi, M. M. Peloso, C. Stoppato
TITLE	<i>Irregularity of the Bergman projection on smooth unbounded worm domains</i>
JOURNAL	<i>Mediterr. J. Math.</i> , 2023

AUTHORS	R. Ghiloni, A. Perotti, C. Stoppato
TITLE	<i>Slice regular functions and orthogonal complex structures over \mathbb{R}^8</i>
JOURNAL	<i>J. Noncommut. Geom.</i> , 2022

AUTHORS	G. Gentili, C. Stoppato, and T. Trinci
TITLE	<i>Zeros of slice functions and polynomials over dual quaternions</i>
JOURNAL	<i>Trans. Amer. Math. Soc.</i> , 2021

AUTHORS	G. Gentili, C. Stoppato
TITLE	<i>Geometric function theory over quaternionic slice domains</i>
JOURNAL	<i>J. Math. Anal. Appl.</i> , 2021

AUTHORS	G. Gentili, C. Stoppato
TITLE	<i>A local representation formula for quaternionic slice regular functions</i>
JOURNAL	<i>Proc. Amer. Math. Soc.</i> , 2021

AUTHORS	R. Ghiloni, A. Perotti, and C. Stoppato
TITLE	<i>Division algebras of slice functions</i>
JOURNAL	<i>Proc. Roy. Soc. Edinburgh Sect. A</i> , 2020

AUTHORS	R. T. Farouki, G. Gentili, H. P. Moon, and C. Stoppato
TITLE	<i>Minkowski products of unit quaternion sets</i>
JOURNAL	<i>Adv. Comput. Math.</i> , 2019

AUTHORS	S. G. Krantz, M. Peloso, and C. Stoppato
TITLE	<i>Completeness on the worm domain and the Müntz-Szász problem for the Bergman space</i>
JOURNAL	<i>Math. Res. Lett.</i> , 2019

AUTHORS	C. Bisi and C. Stoppato
TITLE	<i>Landau's theorem for slice regular functions on the quaternionic unit ball</i>
JOURNAL	<i>Internat. J. Math.</i> , 2017

AUTHORS	R. Ghiloni, A. Perotti, and C. Stoppato
TITLE	<i>Singularities of slice regular functions over real alternative *-algebras</i>
JOURNAL	<i>Adv. Math.</i> , 2017

Journal articles 2008-2017

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|---------|---|
| AUTHORS | R. T. Farouki, G. Gentili, C. Giannelli, A. Sestini, and C. Stoppato |
| TITLE | A comprehensive characterization of the set of polynomial curves with rational rotation-minimizing frames |
| JOURNAL | <i>Adv. Comput. Math.</i> , 2017 |
| AUTHORS | R. Ghiloni, A. Perotti, and C. Stoppato |
| TITLE | The algebra of slice functions |
| JOURNAL | <i>Trans. Amer. Math. Soc.</i> , 2017 |
| ERRATA | <i>Trans. Amer. Math. Soc.</i> , 2023 |
| AUTHORS | S. G. Krantz, M. Peloso, and C. Stoppato |
| TITLE | Bergman kernel and projection on the unbounded worm domain |
| JOURNAL | <i>Ann. Sc. Norm. Super. Pisa Cl. Sci. (5)</i> , 2016 |
| AUTHORS | R. T. Farouki, G. Gentili, C. Giannelli, A. Sestini, and C. Stoppato |
| TITLE | Solution of a quadratic quaternion equation with mixed coefficients |
| JOURNAL | <i>J. Symb. Comput.</i> , 2016 |
| AUTHORS | G. Gentili, S. Salamon, and C. Stoppato |
| TITLE | Twistor transforms of quaternionic functions and orthogonal complex structure |
| JOURNAL | <i>J. Eur. Math. Soc. (JEMS)</i> , 2014 |
| AUTHOR | C. Stoppato |
| TITLE | A new series expansion for slice regular functions |
| JOURNAL | <i>Adv. Math.</i> , 2012 |
| AUTHORS | G. Gentili and C. Stoppato |
| TITLE | Power series and analyticity over the quaternions |
| JOURNAL | <i>Math. Ann.</i> , 2012 |
| AUTHORS | C. Bisi and C. Stoppato |
| TITLE | The Schwarz-Pick lemma for slice regular functions |
| JOURNAL | <i>Indiana Univ. Math. J.</i> , 2012 |
| AUTHOR | C. Stoppato |
| TITLE | Singularities of slice regular functions |
| JOURNAL | <i>Math. Nachr.</i> , 2012 |
| AUTHOR | C. Stoppato |
| TITLE | Regular Moebius transformations of the space of quaternions |
| JOURNAL | <i>Ann. Global Anal. Geom.</i> , 2011 |
| AUTHORS | G. Gentili, C. Stoppato, and D.C. Struppa |
| TITLE | A Phragmén - Lindelöf principle for slice regular functions |
| JOURNAL | <i>Bull. Belg. Math. Soc. Simon Stevin</i> , 2011 |
| AUTHORS | G. Gentili and C. Stoppato |
| TITLE | The open mapping theorem for regular quaternionic functions |
| JOURNAL | <i>Ann. Sc. Norm. Super. Pisa Cl. Sci. (5)</i> , 2009 |
| AUTHOR | C. Stoppato |
| TITLE | Poles of regular quaternionic functions |
| JOURNAL | <i>Complex Var. Elliptic Equ.</i> , 2009 |
| AUTHORS | G. Gentili and C. Stoppato |
| TITLE | Zeros of regular functions and polynomials of a quaternionic variable |
| JOURNAL | <i>Michigan Math. J.</i> , 2008 |

Book chapters

AUTHOR	C. Stoppato
TITLE	Some notions of subharmonicity over the quaternions
VOLUME	S. Bernstein, editor, <i>Topics in Clifford Analysis</i> , Trends in Mathematics, pages 75–101. Birkhäuser Verlag, Cham, 2019.
AUTHORS	C. Bisi and C. Stoppato
TITLE	Regular vs. classical Möbius transformations of the quaternionic unit ball
VOLUME	G. Gentili, I. Sabadini, M. Shapiro, F. Sommen, and D.C. Struppa, editors, <i>Advances in Hypercomplex Analysis</i> , Springer INdAM Series, pages 1–13. Springer, Milano, 2013.
AUTHORS	G. Gentili and C. Stoppato
TITLE	The zero sets of slice regular functions and the open mapping theorem
VOLUME	I. Sabadini and F. Sommen, editors, <i>Hypercomplex analysis and applications</i> , Trends in Mathematics, pages 95–107. Birkhäuser Verlag, Basel, 2011.
AUTHORS	G. Gentili, C. Stoppato, D. C. Struppa, and F. Vlacci
TITLE	Recent developments for regular functions of a hypercomplex variable
VOLUME	I. Sabadini, M. Shapiro, and F. Sommen, editors, <i>Hypercomplex analysis</i> , Trends in Mathematics, pages 165–186. Birkhäuser Verlag, Basel, 2009.

Journal abstracts

AUTHOR	C. Stoppato
TITLE	Funzioni regolari di una variabile quaternionica
JOURNAL	<i>Mat. Soc. Cult. Riv. Unione Mat. Ital. (I)</i> , 2011
AUTHORS	G. Gentili and C. Stoppato
TITLE	The zero sets of slice regular functions and the open mapping theorem
JOURNAL	<i>Abstracts Amer. Math. Soc.</i> , 2009

Reviewing activity

- ▷ Reviewer for the AMS *Mathematical Reviews*
- ▷ Reviewer for the EMS *Zentralblatt MATH*
- ▷ Referee for international journals

PostDoc supervision

FELLOW	Giulio Binosi
INSTITUTION	Istituto Nazionale di Alta Matematica, Firenze Unit
PERIOD	Since July, 2024

Thesis supervision

DEGREE PROGRAM	Matematica, Università degli Studi di Firenze
THESIS	Christian Stucchi, <i>Sviluppo in serie di funzioni quaternioniche</i> , 2022/2023

GRADUATE PROGRAM	Mathematics, Università di Firenze
THESIS	Tomaso Trinci, <i>Slice functions over the algebra of dual quaternions: theory and applications to robotics</i> , 2016/2017

Organization

EVENT	Incontro Nazionale di Analisi Ipercomplessa
PLACE	Dipartimento di Matematica e Informatica “U. Dini”, Università degli Studi di Firenze
DATE	December 19, 2022

EVENT	Seminar “Hypercomplex function theory and applications”
PLACE	Istituto Nazionale di Alta Matematica, Roma (online)
DATES	October 5, 2020 - present

EVENT	INdAM Workshop “Complex function theory, its generalizations and applications”
PLACE	Istituto Nazionale di Alta Matematica, Roma
DATES	September 12-16, 2016

EVENT	Spring 2016 School in Florence
PLACE	DiMaI “U. Dini”, Università degli Studi di Firenze
DATES	May 30 - July 6, 2016

EVENT	INdAM Workshop “New perspectives in differential geometry: special metrics and quaternionic geometry”
PLACE	Istituto Nazionale di Alta Matematica, Roma
DATES	November 16-20, 2015

EVENT	Incontro Nazionale di Analisi Ipercomplessa
PLACE	Dipartimento di Matematica e Informatica “U. Dini”, Università degli Studi di Firenze
DATE	January 23, 2015

EVENT	Meeting of FIRB 2012 project “Differential Geometry and Geometric Function Theory”
PLACE	Dipartimento di Matematica e Informatica “U. Dini”, Università degli Studi di Firenze
DATES	October 23 - 25, 2013

EVENT	Workshop “Nuove direzioni di ricerca in Geometria e Analisi Ipercomplessa”
PLACE	ICTP, Trieste
DATES	March 21 - 23, 2013

Talks 2020-2024

CONFERENCE TITLE OF THE TALK DATE	Joint Mathematics Meetings - San Francisco, CA (USA) <i>A new approach to regularity in one hypercomplex variable</i> 3 gennaio 2024
CONFERENCE TITLE OF THE TALK DATE	13th ICCA - Holon (Israel) <i>The extension phenomenon for slice regular quaternionic functions</i> June 6th, 2023
CONFERENCE TITLE OF THE TALK DATE	Workshop "A Complex Differential Geometry Meeting at UniTo" - Torino <i>Orthogonal complex structures and regularity over division algebras</i> May 19th, 2023
INSTITUTION SEMINAR TITLE OF THE TALK DATE	Università di Firenze Seminar of the PhD School Mathematics, Computer Science, Statistics <i>Hypercomplex function theory</i> May 4th, 2023
CONFERENCE TITLE OF THE TALK DATE	Workshop INdAM "New trends in complex and Fourier analysis and operator theory" - Roma <i>Variants on the Diederich-Fornaess worm domain</i> September 14th, 2022
CONFERENCE TITLE OF THE TALK DATE	New Trends in Quaternions and Octonions - Vila Real (Portugal) - online <i>Slice regularity on slice domains without symmetry</i> November 26th, 2021
CONFERENCE TITLE OF THE TALK DATE	Quaternioni sul Conero III - Ancona <i>Zeros of regular functions on non-symmetric slice domains</i> September 9th, 2021
CONFERENCE TITLE OF THE TALK DATE	Real and complex manifolds: the mathematical heritage of Edoardo Vesentini - Pisa - online <i>Function theory over quaternionic slice domains</i> June 29th, 2021
CONFERENCE TITLE OF THE TALK DATE	8th European Congress in Mathematics - Portorož (Slovenia) - online <i>Slice regular functions and orthogonal complex structures in eight dimensions</i> June 22nd, 2021
INSTITUTION SEMINAR TITLE OF THE TALK DATE	Università di Firenze - online Differential Geometry and Complex Analysis seminar <i>Dual quaternions and slice functions: theory and applications</i> March 25th, 2021
INSTITUTION SEMINAR TITLE OF THE TALK DATE	University College London - online Complex Analysis video seminars <i>Regularity in one hypercomplex variable</i> March 9th, 2021
INSTITUTION SEMINAR TITLES OF THE TALKS DATES	Istituto Nazionale di Alta Matematica - online Hypercomplex function theory and applications <i>The extension theorem for quaternionic slice regular functions I and II</i> November 23rd and 30th, 2020
CONFERENCE TITLE OF THE TALK DATE	12th ICCA - Hefei (China) - online <i>Local representation of slice regular functions over quaternionic slice domains</i> August 6th, 2020
CONFERENCE TITLE OF THE TALK DATE	HAMS 2020 - Weimar (Germany) <i>Recent results on slice regular octonionic functions</i> February 21st, 2020

Talks 2014-2019

CONFERENCE TITLE OF THE TALK DATE	12th ISAAC Congress - Aveiro (Portugal) <i>Zeros of slice functions over dual quaternions: theory and applications</i> August 1, 2019
INSTITUTION TITLE OF THE TALK DATE	Universitetet i Stavanger, Department of Mathematics and Physics <i>Slice regular functions of a hypercomplex variable</i> May 25, 2018
CONFERENCE TITLE OF THE TALK DATE	Quaternioni sul Conero - Ancona <i>Slice functions in a non associative setting</i> September 8, 2017
CONFERENCE TITLE OF THE TALK DATE	11th ICCA - Gent (Belgium) <i>Polynomial curves with rational rotation-minimizing frames: a quaternionic approach</i> August 10, 2017
CONFERENCE TITLE OF THE TALK DATE	The First Joint IMU-INdAM Conference in Analysis - Tel Aviv (Israel) <i>Recent results in geometric function theory over alternative *-algebras</i> June 1, 2017
CONFERENCE TITLE OF THE TALK DATE	ICNPAA - La Rochelle (France) <i>Zeros and singularities of slice regular functions over alternative *-algebras</i> July 8, 2016
CONFERENCE TITLE OF THE TALK DATE	Complex Geometry BiDay - Parma (Italy) <i>Twistor lifts of quaternionic functions and orthogonal complex structures</i> February 26, 2016
CONFERENCE TITLE OF THE TALK DATE	Hypercomplex Analysis and Geometry Day - Ferrara <i>The algebra of slice functions: properties of the zeros over alternative *-algebras</i> December 1, 2015
CONFERENCE TITLE OF THE TALK DATE	XX Congresso dell'UMI - Siena <i>Nuovi risultati sulla palla unitaria quaternionica</i> September 10, 2015
CONFERENCE TITLE OF THE TALK DATE	6th AGACSE Conference - Barcelona (Spain) <i>Quaternion polynomial problems for the construction of Pythagorean-hodograph curves</i> July 31, 2015
CONFERENCE TITLE OF THE TALK DATE	Noncommutative Algebras and Applications - Goslar (Germany) <i>Zeros of polynomials and slice regular functions over alternative *-algebras</i> June 16, 2015
INSTITUTION TITLE OF THE TALK DATE	University of Arkansas, Department of Mathematics <i>Regular functions over the quaternions</i> March 20, 2014
CONFERENCE TITLE OF THE TALK DATE	Workshop 2014 "Varietà reali e complesse: geometria, topologia e analisi armonica" - Scuola Normale Superiore di Pisa <i>Nucleo e proiezione di Bergman sul dominio di Diederich-Fornæss illimitato</i> February 21, 2014

Talks 2010-2013

CONFERENCE	9th ISAAC Congress - Kraków (Poland)
TITLE OF THE TALK	<i>Quaternionic functions as tools for the classification of orthogonal complex structures</i>
DATE	August 5, 2013
CONFERENCE	CIRM conference “Complex Analysis and Geometry - XXI” - Levico Terme, Trento (Italy)
TITLE OF THE TALK	<i>Orthogonal complex structures and regular quaternionic functions</i>
DATE	June 3, 2013
CONFERENCE	Workshop on “New Approaches to Hypercomplex Analysis and Geometry” - ICTP, Trieste
TITLE OF THE TALK	<i>Il lemma di Schwarz-Pick per funzioni quaternioniche regolari</i>
DATE	March 22, 2013
INSTITUTION	Università di Torino, Department of Mathematics
TITLE OF THE TALK	<i>Orthogonal complex structures and twistor lifts of regular quaternionic functions</i>
DATE	March 15, 2013
CONFERENCE	CIRM conference “Progressi Recenti in Geometria Reale e Complessa” - Levico Terme (Trento)
TITLE OF THE TALK	<i>Orthogonal complex structures induced by regular quaternionic functions</i>
DATE	October 14, 2012
CONFERENCE	Workshop di Analisi Ipercomplessa - Trento
TITLE OF THE TALK	<i>Alcune nozioni di subarmonicità quaternionica</i>
DATE	December 16, 2011
CONFERENCE	Congresso dell’UMI - Bologna
TITLE OF THE TALK	<i>Nuovi sviluppi in serie per funzioni quaternioniche regolari</i>
DATE	September 14, 2011
CONFERENCE	9th ICCA - Weimar (Germany)
TITLE OF THE TALK	<i>A new series expansion for slice regular functions</i>
DATE	July 19, 2011
INSTITUTION	Università di Roma “Tor Vergata”, Department of Mathematics
TITLE OF THE TALK	<i>Trasformazioni fratte regolari sui quaternioni</i>
DATE	January 25, 2011
CONFERENCE	Workshop “New entries at Tor Vergata” - Roma
TITLE OF THE TALK	<i>Funzioni regolari sui numeri di Hamilton</i>
DATE	December 16, 2010
CONFERENCE	CIRM conference “Progressi Recenti in Geometria Reale e Complessa” - Levico Terme (Trento)
TITLE OF THE TALK	<i>Serie di potenze e analiticità sui quaternioni</i>
DATE	October 19, 2010
CONFERENCE	INdAM Workshop “Different notions of regularity for functions of quaternionic variable” - Roma (Italy)
TITLE OF THE TALK	<i>Slice regular Laurent series and classification of singularities</i>
DATE	September 14, 2010
CONFERENCE	30th Winter School “Geometry and Physics” - Srní (Czech Republic)
TITLE OF THE TALK	<i>Poles and essential singularities of slice regular functions</i>
DATE	January 19, 2010

Talks 2008-2009

CONFERENCE
TITLE OF THE TALK
DATE

AMS 2009 Fall Southeastern Meeting, Florida Atlantic University (USA)
The zero sets of slice regular functions and the open mapping theorem
October 31, 2009

CONFERENCE
TITLE OF THE TALK
DATE

7th ISAAC Congress, Imperial College London (UK)
Regular Moebius transformations over the quaternions
July 17, 2009

INSTITUTION
TITLE OF THE TALK
DATE

Politecnico di Milano, Department of Mathematics
Singolarità di funzioni quaternioniche regolari
March 6, 2009

CONFERENCE
TITLE OF THE TALK
DATE

CIRM conference "Progressi Recenti in Geometria Reale e Complessa"
- Levico Terme (Trento)
Sviluppi recenti nella teoria delle funzioni quaternioniche regolari
October 24, 2008

INSTITUTION
TITLE OF THE TALK
DATE

Università di Firenze, Department of Mathematics
Il teorema dell'applicazione aperta per funzioni quaternioniche regolari
March 10, 2008

Summer schools

SCHOOL
COURSES

Spring 2016 School in Florence
Complex structures, spinors and projective geometry
*Slice regular functions on real alternative *-algebras*
Quaternions, Pythagorean-hodographs, and rotation-minimizing frames
Quaternionic linear operators and their functional calculus
University of Florence, May 30 - July 6, 2016

DATES AND PLACE

INSTITUTION
COURSE
DATES AND PLACE

Scuola Matematica Interuniversitaria
Loewner's theory from the deterministic and stochastic point of view
Cortona, Arezzo, August 15 - 27, 2010

INSTITUTION
COURSE
DATES AND PLACE

CIME
Holomorphic Dynamical Systems
Cetraro, Cosenza, July 7 - 12, 2008

INSTITUTION
COURSES
DATES AND PLACE

Scuola Matematica Interuniversitaria
Differential Geometry and Algebraic geometry
Perugia, August 1 - September 2, 2005

University teaching

PHD PROGRAM COURSES

Mathematics, Computer Science and Statistics, Firenze-Perugia-INdAM
Funzioni di variabile complessa e ipercomplessa, 2020/2021
Functions of complex and hypercomplex variable, 2019/2020
Funzioni di variabile ipercomplessa, 2016/2017
Funzioni di variabile complessa e ipercomplessa, 2014/2015
Funzioni di variabile complessa e ipercomplessa, 2013/2014

DEPARTMENT MINICOURSE

Mathematics, Università di Milano
Introduzione alla teoria delle funzioni quaternioniche regolari,
January - February, 2013

UNDERGRADUATE PROGRAM COURSES

Chemistry of Conservation and Restoration, Università di Firenze
Matematica, 2023/2024
Matematica, 2022/2023
Matematica, 2021/2022
Matematica, 2020/2021
Matematica, 2019/2020
Matematica, 2015/2016

UNDERGRADUATE PROGRAM COURSE

Computer Engineering, Università di Firenze
Geometria e Algebra Lineare, 2023/2024
Geometria e Algebra Lineare, 2022/2023
Geometria e Algebra Lineare, 2021/2022

UNDERGRADUATE PROGRAM COURSE

Physics and Astrophysics, Università di Firenze
Geometria, 2020/2021

UNDERGRADUATE PROGRAM COURSES

Mathematics, Università di Firenze
Geometria I, 2017/2018
TA for the course *Istituzioni di Geometria Superiore I*, 2009/2010
TA for the course *Istituzioni di Geometria Superiore I*, 2008/2009

GRADUATE PROGRAM COURSES

Architecture, Università di Firenze
Istituzioni di Matematiche, 2017/2018
Istituzioni di Matematiche, 2016/2017

UNDERGRADUATE PROGRAM COURSE

Computer Engineering, Università Politecnica delle Marche
Algebra e Logica, 2010/2011

Further teaching

CONTEXT	Accademia Toscana di Scienze e Lettere "La Colombaria"
ACTIVITY	Colloquium on <i>Algebra e carte di credito - Usiamo antichi teoremi di algebra per ogni acquisto online</i>
ACADEMIC YEAR	April 5th, 2022
CONTEXT	Università di Firenze
ACTIVITY	Sarò matricola
ACADEMIC YEAR	2021/2022
CONTEXT	Università di Firenze
ACTIVITY	Settimana Matematica Fiorentina
ACADEMIC YEAR	2019/2020
CONTEXT	Università di Firenze
ACTIVITY	Progetto Alternanza Scuola-Università
ACADEMIC YEAR	2016/2017 2015/2016
CONTEXT	Università di Firenze, <i>Settimana dell'Università</i>
ACTIVITY	Colloquium on <i>Algebra e carte di credito</i>
DATE	April 17, 2015
CONTEXT	PhD Program in Mathematics, Computer Science and Statistics, Firenze-Perugia-INdAM
ACTIVITY	Presentation of FIRB projects
DATE	December 3, 2014
CONTEXT	INdAM, Roma, training of INdAM-COFUND fellows
ACTIVITY	Minicourse <i>Research projects: applying for funding</i>
DATE	July 21, 2014
CONTEXT	Università Politecnica delle Marche, <i>Progetto Ponte</i>
ACTIVITY	Laboratorio di Eccellenza Certificato - Informatica e Telecomunicazioni
DATE	April 20, 2011