

Curriculum Vitae et Studiorum

ANTONIO CIGLIOLA

CONTACT INFORMATION

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PRESENT POSITION

Sept. 2010 - present	Instructor professor, Review session instructor and Teaching assistant at SBAI, Department of Basic and Applied Sciences for Engineering, Sapienza, Università di Roma
Sept. 2010 - present	Review session instructor and Teaching assistant at Dipartimento di Matematica e Fisica, Università Roma Tre
Sept. 2014 - present	Review session instructor and Teaching assistant at Department of Business and Management, LUISS <i>Guido Carli</i> University, Rome
Sept. 2014 - present	Review session instructor and Teaching assistant at Facoltà di Ingegneria, Università Roma Tre

EDUCATION

Sept. 2014	Abilitazione all'insegnamento, Concorso a cattedra DDG82/2012, Classe di concorso A059-Scienze Matematiche, Chimiche, Fisiche e Naturali (Teaching qualification for Maths and Natural Sciences in Middle Schools)
2010 - 2014	Ph.D. Dipartimento di Matematica e Fisica, Università Roma Tre. Thesis: <i>Split quaternions, Generalized quaternions and Integer-valued polynomials</i> . Advisor: Prof. Francesca Tartarone.
August 2009	SMI - International School of Mathematics, Dipartimento di Matematica, Perugia, Italy
2006 - 2009	Graduate studies, Università degli Studi di Bari (Bari, Italy) Laurea Specialistica degree in Pure Mathematics, <i>Summa cum laude</i> , March 2009
2003 - 2006	Undergraduate studies, Università degli Studi di Bari Laurea degree in Pure Mathematics, <i>Summa cum laude</i> , December 2006.

RESEARCH INTEREST	<p>Noncommutative algebra: Generalized quaternion algebras, Localizations of non-commutative rings, Noncommutative valuation rings.</p> <p>Integer-valued polynomials: Localization, Module structure, Prime and maximal ideals of noncommutative integer-valued polynomial rings.</p>
PUBLICATIONS	<ul style="list-style-type: none"> - “Split quaternions and integer-valued polynomials”, A. Cigliola, K.A. Loper, N. Werner, <i>Communications in Algebra</i>, 2015, Vol.43 (1), pp.182-196, Taylor & Francis. - <i>Complementi di Analisi Matematica II</i> (Textbook of Analysis II), Cigliola, de Bonis, De Cicco, La Dotta, 2014 (in Italian). - <i>SOS Matematica</i> (Coursebook for the Introductory Courses of Mathematics), Cigliola, De Cicco et al., La Dotta, 2013 (in Italian).
WORK IN PROGRESS	<ul style="list-style-type: none"> - “Localizations of noncommutative integer-valued polynomial rings”, with F. Tartarone (paper). - Algebra lineare e Geometria (Textbook of Linear Algebra and Geometry), (in Italian).
INVITED TALKS	<ul style="list-style-type: none"> - <i>Localizations of noncommutative Integer-valued polynomials over split-quaternions</i>, Conference on Commutative Rings, Integer-valued polynomials and Polynomial Functions, December 2012, Graz, Austria. - <i>Integer-valued polynomials over split-quaternions</i>, Commutative Rings and their Modules 2012, June 2012, Bressanone, Italy. - <i>Polynomials over quaternions</i>, Joint meeting Roma Tre-California State University Channel Islands, Rome, March 2011. - Talks for the Commutative Algebra Research Group, Dipartimento di Matematica e Fisica, Università Roma Tre, 2010-2014.
ACADEMIC VISITS	<ul style="list-style-type: none"> - Research activity with prof. Loper and dr. Werner, Ohio State University, Columbus (OH), USA, Summer 2013. - Research activity with prof. Loper and dr. Werner, Ohio State University, Columbus (OH), USA, Summer 2011.
CONFERENCES, WORKSHOPS AND SCHOOLS	<ul style="list-style-type: none"> - <i>Té di Matematica - General seminars of Pure and Applied Mathematics</i>, Dipartimento di Matematica e Fisica, Università Roma Tre, 2012-2014. Seminar organizer.

- *Conference on Commutative Rings, Integer-valued polynomials and Polynomial Functions*, Institut für Mathematik A, Technische Universität, Graz, Austria, December 2012. Invited speaker.
- *Incontri con la Matematica*, n.26, *La didattica della matematica: insegnamento e apprendimento a confronto*, Castel San Pietro Terme, Bologna, Italy, October 2012. Participant.
- *Commutative Rings and their Modules*, 2012, Bressanone, Italy, June 2012. Speaker and conference organizer.
- *Aspetti dell'Algebra Moderna nel bicentenario della nascita di Evariste Galois*, Naples, October 2011. Participant
- *Joint Meeting Universit degli Studi Roma Tre - California State University, Channel Islands*, Rome, Italy, March 2011. Conference Organizer and Speaker.
- *Third International Meeting on Integer Valued Polynomials and problems in Commutative Algebra*, Marseille, France, November 2010. Participant.
- *Local rings and local study of algebraic varieties*, Trieste, Italy, May 2010. Conference Grant.
- *Commutative Ring Theory Days in Rome*, Università degli Studi Roma Tre, May 2010. Participant.
- *Special Semester on Commutative Algebra*, Università degli Studi Roma Tre, February-May 2010. Participant.
- *SMI, Summer graduate courses in Mathematics*, Perugia, Italy, August 2009. Conference Grant.

UNDERGRADUATE
TEACHING AND
SUPERVISIONS

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| Spring 2015 | <ul style="list-style-type: none"> - Teaching assistant and co-lecturer for <i>Analisi Matematica II (Analysis in several real variables and Complex Analysis)</i> at Faculty of Engineering, Sapienza Università di Roma. - Teaching assistant and Review session instructor for GE110-Geometria 1 (<i>Linear Algebra and Geometry</i>) at Dipartimento di Matematica e Fisica, Università Roma Tre. |
| Fall 2014 | <ul style="list-style-type: none"> - Lecturer for <i>Geometria e algebra lineare (Linear Algebra and Geometry)</i>, Faculty of Civil and Industrial Engineering, Sapienza Università di Roma. - Teaching assistant and Review session instructor for <i>Geometria e algebra lineare (Linear Algebra and Geometry)</i>, Faculty of Engineering, Università Roma Tre. - Teaching assistant and Review session instructor for <i>Mathematics for economists</i> at LUISS Guido Carli. |

- Teaching assistant and Review session instructor at Dipartimento di Matematica e Fisica, Università Roma Tre, for
 - o GE210-Geometria 2 (*Bilinear Algebra, Euclidean and Projective Geometry*)
 - o AL310-Istituzioni di Algebra Superiore (*Fields and Galois Theory*)
 - o AL210-Algebra 2 (*Groups, Rings and Fields*)

- Sept. 2014 - Instructor professor for *Precorso di Matematica (Introductory course of Mathematics for engineers)* at Faculty of Engineering, Sapienza Università di Roma.
- Instructor professor for *Precorso di Matematica (Introductory course of Mathematics for architects)* at Faculty of Architecture, Sapienza Università di Roma.
- Instructor professor for *Precorso di Matematica (Introductory course of Mathematics for economists)* at LUISS.

- Spring 2014 - Teaching assistant for *Analisi Matematica II (Analysis in several real variables and Complex Analysis)* at Faculty of Engineering, Sapienza Università di Roma.
- Teaching assistant and Review session instructor for GE110-Geometria 1 (*Linear Algebra and Geometry*) at Dipartimento di Matematica e Fisica, Università Roma Tre.

- Fall 2013 - Teaching assistant and Review session instructor for AL310-Istituzioni di Algebra Superiore (*Fields and Galois Theory*) at Dipartimento di Matematica e Fisica, Università Roma Tre.

- Sept. 2013 - Instructor professor for *Precorso di Matematica (Introductory course of Mathematics for engineers)* at Faculty of Engineering, Sapienza Università di Roma.

- Spring 2013 - Teaching assistant for *Analisi Matematica II (Analysis in several real variables and Complex Analysis)* at Faculty of Engineering, Sapienza Università di Roma.

- Fall 2012 - Teaching assistant and Review session instructor for AL110-Algebra 1 (*Basic Algebra*) at Dipartimento di Matematica e Fisica, Università Roma Tre.

- Sept. 2012 - Instructor professor for *Precorso di Matematica (Introductory course of Mathematics for engineers)* at Faculty of Engineering, Sapienza Università di Roma.

- Spring 2012 - Teaching assistant and Review session instructor for CR410-Crittografia (*Cryptography*) at Dipartimento di Matematica e Fisica, Università Roma Tre.

- Fall 2011 - Teaching assistant and Review session instructor for *Geometria e algebra lineare (Linear Algebra and Geometry)*, Faculty of Civil and Industrial Engineering, Sapienza Università di Roma.
- Spring 2011 - Teaching assistant and Review session instructor for CR410-Crittografia (*Cryptography*) at Dipartimento di Matematica e Fisica, Università Roma Tre.
- Fall 2010 - Teaching assistant and Review session instructor for AL310-Istituzioni di Algebra Superiore (*Fields and Galois Theory*) at Dipartimento di Matematica e Fisica, Università Roma Tre.
- MIDDLE SCHOOL TEACHING Apr-Jun 2014 - Istituto comprensivo *Via Belforte del Chienti*, Roma. Teacher of Maths and Natural Sciences.
- HIGH SCHOOL TEACHING July 2015 - Remedial Maths and Physics courses, Liceo Scientifico Statale *Primo Levi*, Roma.
- Apr-Jun 2015 - Liceo Scientifico Statale *Primo Levi*, Roma. Support Teacher of Mathematics and Physics (Docente di sostegno).
- March 2015 - Liceo Scientifico Statale *Aristotele*, Roma. Teacher of Mathematics and Physics.
- Mar-Apr 2014 - Liceo Classico Statale *Aristofane*, Roma. Teacher of Mathematics and Physics.
- Nov 2013 - Istituto Tecnico Aeronautico *F. de Pinedo*, Roma. Teacher of Computer Sciences.
- April 2013 - Istituto Tecnico del Turismo *Livia Bottardi*, Roma. Teacher of Mathematics and Physics.
- ACADEMIC SERVICES - Member of the Italian Research Group GNSAGA (Gruppo Nazionale per le Strutture Algebriche, Geometriche e le loro Applicazioni.), since 2009.
- Member of the Grant Selection Committee of INDAM (Istituto Nazionale di Alta Matematica "F. Severi"), since 2012.
- Member of the Evaluating Committee for OCSE-PISA (Programme for International Student Assessment) at INVALSI (Istituto nazionale per la valutazione del sistema educativo di istruzione e di formazione), 2012.
- AWARDS - INDAM Grant (Istituto Nazionale di Alta Matematica "F. Severi"), 2003-2006.
- Scholarship Circolo Masseria Vaccarella, Fondazione Del Vivere Solidale ONLUS, 1998-2009.

VARIOUS

- Abilitazione all'insegnamento CL-A059, (Teaching qualification for Maths and Natural Sciences in Middle Schools), September 2014.
- Licenza di Teoria, Solfeggio e Dettato Musicale (Diploma of music theory and solfeggio), Liceo Musicale Statale "G. Paisiello", Taranto (Italy), 2007.
- ECDL-European Computer Driving License, 2003.
- Languages: Italian (native), English (fluent), French (basic).