

Short Curriculum Vitae (last update: 15 February 2022)

Prof. Antonio Tortora

Qualifications:

(2021) Italian habilitation as Full Professor in Algebra

(2007) Ph.D. in Mathematics at University of Salerno (Italy) with a thesis entitled “On Bell groups” (supervisors: Prof. P. Longobardi and Prof. C. Delizia)

(2004) Laurea cum laude in Mathematics at University of Salerno (Italy) with a thesis entitled “Gruppi di permutazioni finiti” (supervisor: Prof. C. Delizia)

Current position: Associate Professor at University of Campania “Luigi Vanvitelli” (Italy)

Some past positions:

(2018–2021) Tenure-track Assistant Professor at University of Campania “Luigi Vanvitelli” (Italy)

(2017–2018) Research Assistant at University of Salerno (Italy)

(2010–2017) Postdoctoral Research Fellow at University of Salerno (Italy)

Partecipation in Italian research projects:

(2020–2022) “Homomorphic Encryption for Machine Learning” in the framework of the programme V:ALERE 2020 at University of Campania “Luigi Vanvitelli”

(2019–2022) “Groups: overlappings between Algebra and Geometry, Logic and Mathematics Education” in the framework of the programme V:ALERE 2019 at University of Campania “Luigi Vanvitelli”

PRIN 2015: “Group Theory and Applications”

PRIN 2009: “Teoria dei Gruppi e Applicazioni” – “Gruppi con condizioni finitarie e combinatorie su coniugati, commutatori e centralizzanti”

PRIN 2007: “Teoria dei Gruppi e Applicazioni” – “Condizioni finitarie e combinatorie in Teoria dei Gruppi”

PRIN 2005: “Teoria dei Gruppi e Applicazioni” – “Problemi asintotici in Teoria dei Gruppi; condizioni finitarie in gruppi infiniti astratti e topologici”

Other research projects:

(2015–2017) “Grupos, representaciones y geometría”, supported by Ministerio de Economía y Competitividad (Spain)

Research activity: Finite p -groups, Infinite groups with finiteness conditions, Engel conditions in groups, Applications of Lie ring methods to Group Theory, Applications of Group Theory to Cryptography

Publications: see this link

Recent experience as visiting researcher:

(2020) University of York (UK), collaboration with Prof. D. Kahrobaei

(2018) City University of New York (USA), collaboration with Prof. D. Kahrobaei

(2016) University of Trento (Italy), collaboration with Dr. R. Aragona and Dr. M. Calderini

(2015) University of the Basque Country (Spain), collaboration with Prof. G.A. Fernandez-Alcober and Dr. L. Legarreta

Some recent seminars/talks as invited speaker:

(2021) *Gruppi e aspetti algebrici di Crittografia*, University of Salerno (Italy)

(2020) *Un'introduzione alla Crittografia omomorfa*, online meeting

(2019) *Engel groups in Bath – ten years later*, University of Bath (UK)

(2018) *On conciseness of some commutator words*, City University of New York (USA)

(2017) *A still undecided point on groups with an identity*, Young Researchers Algebra 2017 (Napoli, Italy)

(2016) *Sui gruppi di Engel che soddisfano un'identità*, University of Milano (Italy)

Other activities:

(2006 –) Participation in the organization of the international conference Ischia Group Theory

(2006 –) Membership of UMI – “Unione Matematica Italiana”

(2006 –) Membership of GNSAGA (INdAM) – “Gruppo Nazionale per le Strutture Algebriche, Geometriche e le loro Applicazioni”