

Born in Salerno, on December 24th 1977

Degree:

Laurea cum laude in Mathematics at the Università degli Studi di Salerno, in 2000, with a thesis entitled "Gruppi nilpotenti e loro generalizzazioni" (advisor: Prof.ssa M. Maj).

Ph.D.:

Ph.D. in Mathematics at the Università "Federico II" di Napoli, in 2004, with a thesis entitled: "Finiteness conditions on normalizers, conjugacy classes and centralizers" (advisor: Prof.ssa M. Maj).

Current position:

Researcher in algebra

Research themes:

Infinite groups with finiteness conditions, finite p -groups and symplectic algebras.

Summer schools:

SMI: Scuola Matematica Interuniversitaria, "Algebra" – "Geometria Algebrica", Perugia, 2001

Algebra school: "Zeta Functions of Groups", Trento, 3 - 7 June 2002

SMI: Scuola Matematica Interuniversitaria, "Algebra", Cortona (Ar), 2002

Algebra school: "Applicazioni della teoria dei numeri al Digital Signal Processing", Trento, 23 - 25 June 2003

SMI: Scuola Matematica Interuniversitaria, "Algebra Commutativa e non Commutativa", Cortona (Ar), 10 - 30 August 2003

Summer School on Finite Group Theory, "Methods for the Identification of Finite Simple Groups", Udine 22 August - 4 September 2004

Summer School on Finite Groups and Related Geometrical Structures, Udine, 15 - 27 August 2005

SMI: Scuola Matematica Interuniversitaria, "Algebra", Cortona (Ar), 13 - 31 August 2007

Conferences, talks and posters:

Workshop: "Teoria dei gruppi e applicazioni", Ischia, 2002

Talk: "Gruppi con un numero finito di normalizzanti".

L'Aquila, 2003

Talk: "Gruppi con un numero finito di normalizzanti".

"XVII Congresso U.M.I.", Milano, 8 - 13 September 2003

Talk: "Gruppi con un numero finito di normalizzanti".

Bilbao (Es), November 2003.

Talk: "Groups with finitely many normalizers",

L'Aquila, March 2004

Talk: "Sul numero di normalizzanti e di classi di coniugio di normalizzanti in un gruppo".

Conference: "Ischia Group Theory 2004", in honor of Marcel Herzog, Ischia (NA), 31 March - 3 April 2004

Poster: "Groups with finitely many conjugacy classes of centralizers".

Conference: "Ischia Group Theory 2004", in honor of Marcel Herzog, Ischia (NA), 31 March - 3 April 2004

Poster: "On the number of conjugacy classes of normalizers".

Workshop: "Teoria dei gruppi e applicazioni", Napoli, 2004

Talk: "Classi di coniugio di normalizzanti".

Workshop: "p-gruppi finiti: problemi antichi, nuove tecniche", Pisa, 2005

Talk: "Gruppi con un numero finito di normalizzanti".

Conference: "Groups St. Andrews 2005", St. Andrews (UK), 30 July - 6 August 2005

Talk: "Normalizers and conjugacy classes of normalizers".

Conference: "Ischia Group Theory 2006", in honor of Akbar Rhemtulla, Ischia (NA), 29 March - 1 April 2006

Poster: "Groups with finitely many maximal normalizers".

Conference: "Ischia Group Theory 2006", in honor of Akbar Rhemtulla, Ischia (NA), 29 March - 1 April 2006

Poster: "On conjugacy classes of centralizers".

Workshop: "Just Infinite Pro-p-Groups", Roma, 2006

Talk: "Groups with finitely many maximal normalizers".

Workshop: "Teoria dei gruppi e applicazioni", Padova, 2006

Talk: "Su alcune classi di gruppi localmente graduati".

Conference: "Groups and topological Groups", Debrecen (Hu), 15-16 June 2007

Talk: "Locally graded quotients of locally graded groups".

"XVIII Congresso U.M.I.", Bari, 24 - 29 September 2007

Talk: "Quozienti localmente graduati di gruppi localmente graduati".

Bath, July 2009

Talk: "On conjugacy classes of subgroups".

Conference: "Ischia Group Theory 2010", Ischia (NA), 14 - 17 April 2010

Talk: "On symplectic nil-algebras".

Conference: "Gruppen and Topological Gruppen 2010", Wien

Talk: "On symplectic nil-algebras".

Conference: "Advances in Group Theory and Applications", Porto Cesareo (LE) 2011

Talk: "p-Groups with few Conjugacy Classes of Normalizers".

"XIX Congresso U.M.I.", Bologna, 2011

Talk: "Gruppi con sottogruppi non-normali risolubili".

Conference: "Ischia Group Theory 2012", Ischia (NA), 26 - 29 March 2012
Poster: "Groups with all subgroups subnormal or soluble of bounded derived length".

Member of the local committee:

Conference: "Ischia Group Theory 2004", in honor of Marcel Herzog, Ischia (NA), 31 March - 3 April 2004

Conference: "Ischia Group Theory 2006", in honor of Akbar Rhemtulla, Ischia (NA), 29 March - 1 April 2006

Conference: "Ischia Group Theory 2008", Ischia (NA), 2 - 4 April 2008

Conference: "Ischia Group Theory 2010", Ischia (NA), 14 - 17 April 2010

Conference: "Ischia Group Theory 2012", Ischia (NA), 26 - 29 March 2012

Abroad studies experiences:

Bilbao (Spain), November - December 2003, at University of Basque Country

Edmonton (Canada), April - July 2006, at University of Alberta

Bath (U.K.), June – August 2009, at University of Bath

Bath (U.K.), July 2010, at University of Bath

Brasilia (Brazil), February 2012, at University of Brasilia

Papers:

M. Tota, *Groups with a finite number of normalizer subgroups*, Comm. Algebra, **32** (2004), N. 12, 4667-4674.

N. Gavioli, L. Legarreta, C. Sica and M. Tota, *On the number of conjugacy classes of normalizers in a finite p -group*, Bull. Austral. Math. Soc., **73** (2005), n° 2, 219-230.

C. Sica and M. Tota, *Groups with finitely many conjugacy classes of centralizers*, JP Jour. Alg., Num. Theory and Appl., **6** (2006), n° 2, 295-311.

C. Sica and M. Tota, *Groups with Finitely Many Maximal Normalizers*, Ischia Group Theory 2006: Proceedings of a Conference in Honor of Akbar Rhemtulla, 46–55, World Scientific Publishing, Singapore, 2007, 234-242.

A. Rhemtulla and M. Tota, *Locally graded quotients of locally graded groups*, Comm. Algebra, **37** (2009), 567-574.

L. Legarreta, C. Sica, M. Tota and N. Gavioli, *On the number of normalizers and conjugacy classes of normalizers*, International Journal of Algebra, 2010, 1169-1175.

A. Tortora, M. Tota and G. Traustason, *On symplectic nil-algebras*, accepted for publication on Journal of Algebra.

K. Ersoy, A. Tortora, M. Tota, Groups with all subgroups subnormal or soluble of bounded derived length, submitted.

R. Bastos, P. Shumyatsky, A. Tortora and M. Tota, On groups admitting a word whose values are Engel, submitted.