

PERSONAL INFORMATION Mariagrazia Bianchi

POSITION Associate Professor (Mat02), Università degli Studi di Milano

WORK EXPERIENCE

1987 Current Position: Associate Professor in Algebra (University of Milano)
1981-1987 Position of Researcher in Algebra and Geometria (University of Milano)

EDUCATION AND TRAINING

1976-1981 Scholarship offered by the Italian "Consiglio Nazionale delle Ricerche"
June 23rd, 1976 "Laurea" degree in mathematics with full marks cum laude,
University degli Studi of Milan

Mother tongue(s) Italian
English Good
French Good
German Kleines Deutsches Sprach diplom C2
Spanish Basic

Communication skills Good communication skills gained through my teaching experience

Organisational / managerial skills Replace with your organisational / managerial skills. Specify in what context they were acquired.
Example:
▪ leadership (currently responsible for a team of 10 people)

Job-related skills Replace with any job-related skills not listed elsewhere. Specify in what context they were acquired. Example:
▪ good command of quality control processes (currently responsible for quality audit)

Digital skills Good knowlegde of the IT tools used at my institution Office, Latex

Driving licence B

ADDITIONAL INFORMATION

Publications:

- 1) M.Bianchi -M.C.Tamburini Bellani \Sugli IM-gruppi π -niti e i loro duali" Rend. Ist. Lomb. Accad. Sc. e Lett.A vol.111(1977) pp. 429-436
- 2) M.Bianchi \Permutabilita e distanza in alcune classi di gruppi" Rend. Ist. Lomb. Accad. Sc. e Lett.A vol.114 (1980) pp.89-104.
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- 3) M.Bianchi \Propriet_a di tipo Hall e Sylow per gli N-complessi minimali di un gruppo π -nito" Rend.Ist.Lomb.Accad.Sc.e Lett.A vol 115 (1981) pp.243-253.
- 4) M.Bianchi - A.Gillio Berta Mauri - P.Hauck \On π -nite groups with nilpotent Sylow-normalizers" Arch. Math. vol 47(1986) pp.193-97.
- 5) M.Bianchi - R.Brandl - A.Gillio Berta Mauri \On the 4-permutational property" Arch. Math. vol 48 (1987) pp.281-85.
- 6) M.Bianchi - A.Gillio Berta Mauri - P.Hauck \Maximal supersoluble subgroups of symmetric groups". Annali di Matematica Pura ed Applicata (IV), vol.CLIX (1991), pp.371-404.
- 7) S.Adami - M.Bianchi \On rational groups with order divisible by at most 3 prime factors". Rend.Ist.Lomb.Accad.Sc.e Lett.vol 123 (1989) pp.105-109.
- 8) M. Bianchi- O.Manz \Groups with Small Centralizers of Non-Central Elements" Bollettino U.M.I. (7) 4 - A (1990).
- 9) M.Bianchi - A.Gillio Berta Mauri - L.Verardi \On the surjectivity of the Moebius function μ of a π -nite group" B.U.M.I.(7) 5-B (1991), pp.773-786.
- 10) M.Bianchi - A.Gillio Berta Mauri - L.Verardi \On Hawkes-Isaacs- Ozaydin's conjecture" Rend. Ist. Lomb. Sc. e Lett.A vol. 124 (1990), pp.99-117.
- 11) M.Bianchi - A.Gillio Berta Mauri - M.Herzog \ Groups with non-central classes of distinct lengths" Rend.Ist.Lomb.Sc.e Lett. A vol 124 (1990), pp.157-160.
- 12) M.Bianchi-D.Chillag-A.Gillio Berta Mauri-M.Herzog-C.Scoppola \Application of a graph related to conjugacy classes in π -nite groups" Archiv der Mathematik vol58(1992), pp.126-132.
- 13) M.Bianchi-A.Gillio Berta Mauri- L.Verardi \Groups with small subgroup-permutability diameter". B.U.M.I.(7) 6-B (1992), pp.229-239.
- 14) S.Adami-M.Bianchi-L.Verardi \Groups with small centralizers of non central elements, II" P.U.M.A vol.4(1993), n.3, pp.259-281.
- 15) S.Adami - M.Bianchi - L.Verardi \Finite groups whose non-central elements have p-power bounded centralizers" Proceedings of the International Conference on Group Theory (Timisoara) (1993), pp.7-12.
- 16) M.Bianchi - A.Gillio Berta Mauri - L.Verardi \On π -nite p-groups in which subgroup-permutability is transitive" B.U.M.I.(7)9 - B(1995), pp.61-76.
- 17) S.Adami - M.Bianchi - A.Gillio Berta Mauri - M.Herzog \On graph-complete groups" R.I.L.S.L. vol.130 (1996) pp.295-307.
- 18) M.Bianchi-A.Gillio Berta Mauri-L.Verardi \Finite groups and subgroup permutability" Annali di Matematica Pura ed Applicata(IV) vol CLXIX. pp.251-268 (1995).
- 19) M.Bianchi - A.Gillio - H.Heineken - L.Verardi \Groups with big centralizers" R.I.L.S.L. vol 130(1996) pp.25-42.
- 20) M.Bianchi - A.Gillio Berta Mauri - L.Verardi \Counting squares of n-subsets in π -nite groups". Ars Combinatoria 52 (1999), pp.97-114.
- 21) M.Bianchi-A.Gillio Berta Mauri-L.Verardi \Groups in which elements with the same p-power permute" Le matematiche (Catania) vol. LI (1996) Supplemento pp.53-61.
- 22) M.Bianchi-D.Chillag-A.Gillio Berta Mauri \Finite Groups in which Every Irreducible Character Vanishes on at Most Two Conjugacy Classes" Houston Journal of Mathematics, vol 26,n.3,(2000)pp.451-461.
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- 23) M.Bianchi - A. Gillio Berta Mauri - M.Herzog - L.Verardi \On π -nite solvable Groups in which normality is transitive" Journal of Group Theory 3(2000), pp.147-156.
- 24) M.Bianchi-A.Gillio-L.Verardi \Subgroup-permutability and a π -ne planes" Geometriae Dedicata 85(2001), pp.147-155.

- 25) M.Bianchi-A.Gillio-C.Casolo "A note on Conjugacy Class Sizes of n -ite Groups" Rend. Sem. Mat. Univ. Padova, vol. 106 (2001), pp.255-260.
- 26) M.Bianchi-A.Gillio Berta Mauri-M.Herzog-Guohua Qian-Wujie Shi "Characterization of non-nilpotent groups with two irreducible character degrees" Journal of Algebra 284(2005),pp.326-332.
- 27) M.Bianchi-A.Gillio-L.Verardi "Monounary simple algebras" Contemporary Mathematics vol 402 (2006), 119-132
- 28) M.Bianchi, D.Chillag, A.Gillio "Finite Groups with many values in a column or a row of the character table" Publ. Math. Debrecen, vol 69 (2006),n.3,281-29
- 29) M.Bianchi, D.Chillag, E.Pacifici "A note on n -ite groups with few values in a column of the character table" Rend. Sem Mat.Univ. Padova,vol 115 (2006),161-164
- 30) M.Bianchi, D.Chillag, M.Lewis, E.Pacifici "Character degree graphs that are complete graphs". Proc.Amer.math.Soc.135(2007), n.3,671-676
- 31) M.Bianchi,D.Chillag, E.Pacifici "Groups whose non linear irreducible characters separate element orders or conjugacy class sizes" Arch.Math.90(2008),1-13.
- 32) M.Bianchi, A.Gillio, P.P.Palfy "A note on finite groups in which the conjugacy class sizes form an arithmetic progression"Proceedings of the Conference Ischia Group Theory 2010
- 33) M.Bianchi, M.Herzog, E.Pacifici, G.Saffirio "On the regularity of a graph related to conjugacy classes of groups" European J.Comb.33(2012),1402-1407
- 34) M.Bianchi, M.Herzog, E.Pacifici "On the regularity of a graph related to conjugacy classes of groups: Small valencies" in Group Theory, Combinatorics, and Computing, Contemp. Math. 611 (2014),1-7.
- 35) M.Bianchi, R.D.Camina, M.Herzog, E.Pacifici, "Conjugacy classes of n -ite groups and graph regularity", Forum Math.27(6) (2015),3167-3172.
- 36) M.Bianchi, J.M.A.Brough, R.D.Camina, E.Pacifici,"On vanishing class sizes in n -ite groups",Journal of Algebra 489 (2017),446-459.
- 37) M.Bianchi, M.Herzog,"Finite groups with non-trivial intersections of kernels of all but one irreducible characters", International Journal of Group Theory 7(3) (2018), 63-80.

Curatela and other publications

- 1) Z.Arad, M.Bianchi, W.Herfort, P.Longobardi, M.Maj, C.Scoppola (a cura di) (2006) Ischia Group Theory, 2004: proceedings of a conference in honour of Marcel Herzog, March 31-April3, 2004.Providence: American Mathematical Society
- 2)M.Bianchi, P.Longobardi, M.Maj, C.Scoppola (a cura di)(2009). Ischia Group Theory 2008: proceedings of the Conference, Ischia,Naples, Italy, 1-4 April 2008 World Scientific Publishing Company
- 3)M.Bianchi, P.Longobardi, M.Maj, C.Scoppola (a cura di)(2011). Ischia Group Theory 2010: proceedings of the Conference, Ischia,Naples, Italy, 14-17 April 2010 World Scientific Publishing Company
- 4) M.Bianchi, A.Gillio (2001) Introduzione alla Matematica discreta. Milano: McGraw-Hill
- 5) M.Bianchi, E.Paparoni (2007) Matematica per le Scienze. Milano: Pearson Education

Other information

Member of P.R.I.N."Teoria dei gruppi e applicazioni" and of G.N.S.A.G.A.
Up to 2008 member of "Collegio docenti" of the Ph.D. School in Mathematics

Teaching

Through the years I taught several courses including Algebra 1 and 2, Teoria della rappresentazione, Teoria dei gruppi, Algebra Combinatoria, Matematica Discreta and Matematica for the University of Milano and for the University of Insubria

(Como and Varese).

Selected Schools, conferences, invitations

08.1976 Scuola Matematica Interuniversitaria (Perugia) courses of Group Theory (Prof. Scimemi) and Algebraic geometry (Prof. Mattuck)

08.1977 Scuola Matematica Interuniversitaria (Cortona) courses of Group Theory (Prof. Zappa and Blackburn)

1978-1979 INDAM (Bologna) Algebraic courses (Prof. Orsatti and Barlotti)

July 1986 Visiting at the University of Freiburg (Germany), invited by Prof. Kegel and Dr. P. Hauck

February, 2010 Visiting at Technion in Haifa (Israel), invited by Prof. Chillag

May 2011 Visiting at the University of Valencia (Spain), invited by Prof. Sanus

January 2015 Visiting at Fitzwilliam College, University of Cambridge (UK), invited by Prof. R. Camina

Organizer of The XVII U.M.I. Conference (Milano, September 2003)

Organizer of the Conference "Ischia Group Theory" (Ischia, 2004, 2008, 2010, 2012, 2014, 2016 and 2018)

Organizer of the workshop "Gruppen und topologische Gruppen" (Milano, January 2004, 2008, 2013)

October 2012 Invited lecture at the Conference "Group Theory, Combinatorics and Computing" at Florida Atlantic University, Florida, U.S.A.

October 2014 Invited lecture at the Workshop in memory of D. Chillag at Technion Haifa, Israel,

November 2014 Invited lecture at the Conference on Mathematics and its Applications at Kuwait University (Kuwait)

September 2016 Invited lecture at the Conference First Joint Meeting between the Italian and Brazilian Mathematical Societies

September 2018 Invited lecture at the Conference First Joint Meeting between the Italian and Polish Mathematical Societies.

Poster Communications at the European Congresses of Mathematics in Budapest, Barcellona, Stoccolma, Amsterdam and Cracovia

Replace with list of documents annexed to your CV. Examples:

- copies of degrees and qualifications;
- testimonial of employment or work placement;
- publications or research.

Personal information

I authorize the handling of personal information in this curriculum, according to D.Lgs n. 196/03 and following modifications and Regulations EU 679/2016 (General Regulations concerning Data Protection or GRDP) and art. 7 of University Regulations concerning protection of personal information.

Date

1/12/2018

Signature

