

Curriculum vitae et studiorum of Giovanni Coppola (ITALY)

Titles

- Attending “CEM” (“corso estivo di matematica”) in Perugia (ITALY) : August 1992
- Degree in Mathematics (Magna cum Laude), University of Salerno (ITALY), on the 21st of July 1993
- Attending “CEM” (“corso estivo di matematica”) in Perugia (ITALY) : August 1993
- Researcher (in Calculus) at the University “Università degli Studi del Sannio” (once depending on Salerno University), Benevento (ITALY); enrolled on the 13th of January 1997 (then moved to Salerno University)
- Ph.D. in Mathematics at the University of Neaples (ITALY) “Federico II” on the 22th of February 2000
- CIME Course on “Analytic Number Theory”, Cetraro (CS - ITALY), 10-19 July 2002
- Visiting Scholar at Rutgers University (New Jersey-USA) during the Fall 2002, on invitation of Prof. Henryk Iwaniec

Didactical Experience

- T.A. for the course of “Istituzioni di Matematiche I” (Calculus I), 1996/1997 (University of Benevento - ITALY)
- T.A. for the course of “Istituzioni di Matematiche II” (Calculus II), 1996/1997 (University of Benevento - ITALY)
- T.A. for the course of “Istituzioni di Matematiche I” (Calculus I), 1997/1998 (University of Benevento - ITALY)
- T.A. for the course of “Istituzioni di Matematiche II” (Calculus II), 1997/1998 (University of Benevento - ITALY)

- T.A. for the course “Matematica I” (Calculus I), 1999/2000 (University of Salerno - ITALY)
- T.A. for the course “Matematica III/IV” (Advanced Calculus and Probability), 1999/2000 (University of Salerno - ITALY)
- T.A. for the course of “Analisi Matematica II” (Calculus II), 1999/2000 (University of Salerno - ITALY)
- T.A. for the course of “Analisi Matematica II” (Calculus II), 2000/2001 (University of Salerno - ITALY)
- Course of “Matematica I” (Calculus I), Fall 2000 (University of Salerno - ITALY)
- Course of “Matematica II” (Calculus II and Linear Algebra), Spring 2001 (University of Salerno - ITALY)
- Course of “Matematica I” (Calculus I), Fall 2001 (University of Salerno - ITALY)
- Course of “Matematica II/III” (Calculus II and Advanced Calculus), Spring 2002 (University of Salerno - ITALY)
- Course of “Matematica II/III” (Calculus II and Advanced Calculus), Spring 2003 (University of Salerno - ITALY)
- Course of “Matematica V” (Probability, Stochastic Processes and Applications), Spring 2003 (University of Salerno - ITALY)
- Course of “Matematica I” (Calculus I), Fall 2003 (University of Salerno - ITALY)
- Course of “Matematica III” (Advanced Calculus), Spring 2004 (University of Salerno - ITALY)
- Course of “Matematica IV” (Complex Analysis, Transforms and PDE), Spring 2004 (University of Salerno - ITALY)
- Course of “Matematica I” (Calculus I), Fall 2005 (University of Salerno - ITALY)
- Course of “Mathematical Software”, Fall 2006 (University of Salerno - ITALY)
- Course of “Applications of Numerical Analysis”, Spring 2007 (University of Salerno - ITALY)

- Course of “Matematica I” (Calculus I), Fall 2007 (University of Salerno-ITALY)
- Course of “Matematica II” (Calculus II), Spring 2008 (University of Salerno-ITALY)

Partecipations to International Meetings

- “La matematica per una nuova industria”, organized by CNR (Italian National Centre for Research), “Fondazione IBM Italia” and Neaples University “Federico II”; Neaples, ITALY, 3-4 March 1994
- “Primo Incontro Italiano di Teoria dei Numeri” (First Italian Number Theory Meeting); Rome, ITALY, 3-5 January 1995
- Symposium in honour of Carlo Ciliberto; Neaples, ITALY, 25-26 May 1995
- “Cardiff Symposium on Sieve Methods, Exponential Sums and their applications in Number Theory”; Cardiff, WALES, 16-21 July 1995
- “Analytic and Elementary Number Theory”, A Satellite-Conference of The European Congress on Mathematics 1996, In Honour of Edmund Hlawka’s 80th birthday; Vienna, AUSTRIA, 18-20 July 1996
- “International Number Theory Conference”, dedicated to Prof. Andrzej Schinzel’s in occasion of his 60th birthday; Zakopane-Koscielisko, POLAND, 30 June-9 July 1997
- Symposium in loving memory of Resia Del Vecchio Trombetti; Neaples, ITALY, 31 October 1997
- “Diophantine approximation and Analytic Number Theory”; Pisa, ITALY, 28 June-10 July 1999
- “Journées Arithmétiques, XXI”, Università Lateranense; Rome, ITALY, 12-16 July 1999
- XVI Meeting U.M.I. (“Unione Matematica Italiana”); Neaples, ITALY, 13-18 September 1999

- Workshop “Unusual applications of Number Theory”, DIMACS, Rutgers University; Piscataway, New Jersey, USA, 10-14 January 2000
- “Première Journées du Nord sur les nombres premiers”, Université des Sciences et Technologies de Lille; Lille, FRANCE, 25-29 June 2001
- “Journées Arithmétiques, XXII”, Université des Sciences et Technologies de Lille; Lille, FRANCE, 2-6 July 2001
- Workshop “Special Activity in Analytic Number Theory and Diophantine equations”, Max Planck Institute for Mathematics; Bonn, GERMANY, 24-28 June 2002
- “Journées Arithmétiques, XXIII”, Karl-Franzens Universität Graz; Graz, AUSTRIA, 6-12 July 2003
- “Secondo Incontro Italiano di Teoria dei Numeri” (Second Italian Number Theory Meeting), Università di Parma; Parma, ITALY, 13-15 November 2003
- “Gauss-Dirichlet Conference”, Mathematisches Institut Georg-August-Universität, Göttingen; Göttingen, GERMANY, 20-24 June 2005
- “Journées Arithmétiques, XXIV”, organized by CNRS, Université de Provence (UP) and Université de la Méditerranée (UM); Marseille, FRANCE, 4-8 July 2005
- “XXV International Seminar on stability Problems for Stochastic Models”, Maiori, Salerno; Salerno, ITALY, 20-24 September 2005
- “Journées Arithmétiques, XXV”, University of Edinburgh; Edinburgh, Scotland (United Kingdom), 2-6 July 2007
- “Journées Arithmétiques, XXVI”, Université Jean Monnet, Saint-Etienne; St.Etienne, France, 6-10 July 2009

Seminars

- ‘Distribuzione asintotica dei numeri primi in intervalli corti’ at the Math.Department ‘Renato Caccioppoli’, University of Naples ‘Federico II’(ITALY),18 April 1997
- ‘ON THE DISTRIBUTION IN THE ARITHMETIC PROGRESSIONS OF REDUCIBLE QUADRATIC POLYNOMIALS IN SHORT INTERVALS, I-II’ within the (quoted) ‘Journées Arithmétiques, XXI’, 12 July 1999
- ‘SYMMETRY OF ARITHMETICAL FUNCTIONS OVER SHORT INTERVALS’ in the (quoted) ‘Première Journées du Nord sur les nombres premiers’, 28 June 2001
- ‘ON THE SYMMETRY OF THE DIVISOR FUNCTION IN ALMOST ALL SHORT INTERVALS’ within the (quoted) ‘Journées Arithmétiques, XXII’, 5 July 2001
- ‘SIMMETRIA DI FUNZIONI ARITMETICHE IN QUASI TUTTI GLI INTERVALLI CORTI’ in the (quoted) ‘Second Italian Number Theory Meeting’, on the 13th November 2003
- ‘ON THE SYMMETRY OF SOME CLASSES OF ARITHMETICAL FUNCTIONS IN SHORT INTERVALS’ in the (quoted) ‘Journées Arithmétiques, XXIV’, on the 8th July 2005
- ‘Crivello Largo e Simmetria in Intervalli Corti’ given (at DIMA, Department of Mathematics) in the University of Genova, Genova-ITALY, on the 19th September 2006
- ‘ON THE SELBERG INTEGRAL OF THE k -DIVISOR FUNCTION AND THE $2k$ -TH MOMENT OF THE RIEMANN ZETA FUNCTION’ in the quoted ‘Journées Arithmétiques, XXVI’, on the 8th July 2009

Scientific Publications

G.Coppola, M.B.S.Laporta - "A NEW "WEIGHTED" FORM OF THE RIEMANN-VON MANGOLDT EXPLICIT FORMULA" - *Note Mat.* **14** (1994), no. **2**, 263--275 (1997). [MR 98k:11118](#)

G.Coppola, M.B.S.Laporta - "ON THE REPRESENTATION OF EVEN INTEGERS AS SUM OF TWO ALMOST EQUAL PRIMES" - Number theory, I (Rome, 1995). *Rend. Sem. Mat. Univ. Politec. Torino* **53** (1995), no. **3**, 245--252. [MR 98h:11122](#)

G.Coppola, A.Vitolo - "ON THE DISTRIBUTION OF PRIMES IN INTERVALS OF LENGTH $\log \theta N$ " - *Acta Math. Hungar.* **70** (1996), no. **1-2**, 151--166. [MR 96i:11103](#)

G.Coppola, A.Vitolo - Corrigendum to: " ON THE DISTRIBUTION OF PRIMES IN INTERVALS OF LENGTH $\log \theta N$ " [*Acta Math. Hungar.* **70** (1996), no. 1-2, 151--166; MR 96i:11103]. *Acta Math. Hungar.* **78** (1998), no. **4**, 359--361. [MR 99c:11115](#)

G.Coppola, S.Salerno - "ON THE DISTRIBUTION IN THE ARITHMETIC PROGRESSIONS OF QUADRATIC REDUCIBLE POLYNOMIALS IN SHORT INTERVALS" - Dedicated to Włodzimierz Świątkowski on the occasion of his 75th birthday. *Funct. Approx. Comment. Math.* **28** (2000), 75--81. [MR 2002a:11111](#)

G.Coppola, S.Salerno - "ON THE DISTRIBUTION IN THE ARITHMETIC PROGRESSIONS OF QUADRATIC REDUCIBLE POLYNOMIALS IN SHORT INTERVALS, II" - 21st Journées Arithmétiques (Rome, 2001). *J. Théor. Nombres Bordeaux* **13** (2001), no. **1**, 93--102. [MR 2002e:11126](#)

S.D.Adhikari, G.Coppola - "ON THE AVERAGE OF THE SUM-OF-ODD-DIVISORS FUNCTION" - *Currents trends in number theory (Allahabad, 2000)*, 1--15, Hindustan Book Agency, New Delhi, 2002. [MR 2003f:11143](#)

S.D.Adhikari, G.Coppola, A.Mukhopadhyay - "ON THE AVERAGE OF THE SUM-OF-THE- ω -PRIME-DIVISORS FUNCTION" - *Acta Arith.* **101** (2002), no. **4**, 333--338. [MR 2002k:11163](#)

G.Coppola - "ON THE SYMMETRY OF PRIMES IN ALMOST ALL SHORT INTERVALS" - *Ricerche Mat.* **52** (2003), no. **1**, 21—29. [MR 2005f:11209](#)

G.Coppola - "ON THE SYMMETRY OF DIVISOR SUMS FUNCTIONS IN ALMOST ALL SHORT INTERVALS" - *Integers* **4** (2004), A2, 9 pp. (electronic). [MR 2005b:11153](#)

G.Coppola, S.Salerno - "ON THE SYMMETRY OF THE DIVISOR FUNCTION IN ALMOST ALL SHORT INTERVALS" - *Acta Arith.* **113** (2004), no. **2**, 189—201. [MR 2005a:11144](#)

G.Coppola - "ON THE SYMMETRY OF SQUARE-FREE SUPPORTED ARITHMETICAL FUNCTIONS IN ALMOST ALL SHORT INTERVALS" – *J. of Inequalities in Pure and Applied Math.* **5** (2004), no. **2**, Article 33 (electronic). [MR 2005f:11210](#)

G.Coppola, S.Salerno - "ON THE SYMMETRY OF ARITHMETICAL FUNCTIONS IN ALMOST ALL SHORT INTERVALS" – *C. R. Math. Rep. Acad. Sci. Canada* 26 (2004), no. 4, 118—125. [MR 2005m:11180](#)

G.Coppola - "ON THE SYMMETRY OF SQUARE-FREE NUMBERS IN ALMOST ALL SHORT INTERVALS" – *Riv. Mat. Univ. Parma (Serie 7)* **3*** (2004), 205-212. [MR 2005k:11192](#)

G.Coppola - "On the correlations, Selberg integral and symmetry of sieve functions in short intervals" - <http://arxiv.org/abs/0709.3648v3> - 9 pp. (electronic).

G.Coppola - "ON THE SYMMETRY OF ARITHMETICAL FUNCTIONS IN ALMOST ALL SHORT INTERVALS, IV" - <http://arxiv.org/abs/0805.1985v1> - 9 pp. (electronic).

G.Coppola - "ON THE SYMMETRY OF ARITHMETICAL FUNCTIONS IN ALMOST ALL SHORT INTERVALS, V" - <http://arxiv.org/abs/0901.4738v2> - 5 pp. (electronic).

Preprints and submitted papers

G.Coppola, M.B.S.Laporta - "ALMOST EQUAL PRIME SOLUTIONS OF LINEAR EQUATIONS IN TWO VARIABLES" - Preprint - University of Salerno, 1999;

G.Coppola, S.Salerno - "ON THE DISTRIBUTION IN THE ARITHMETIC PROGRESSIONS OF QUADRATIC REDUCIBLE POLYNOMIALS IN SHORT INTERVALS, III" - Preprint;

G.Coppola, H. Iwaniec - "ON THE SYMMETRY OF HECKE EIGENVALUES OF MODULAR FORMS IN ALMOST ALL SHORT INTERVALS" – Preprint n. 19 – July 2005 – University of Salerno;

G.Coppola - "ON THE SYMMETRY OF ARITHMETICAL FUNCTIONS IN ALMOST ALL SHORT INTERVALS, II" – Preprint n. 13 – July 2006 – University of Salerno;

G.Coppola - "ON THE SYMMETRY OF ARITHMETICAL FUNCTIONS IN ALMOST ALL SHORT INTERVALS, III" – Preprint n. 14 – July 2006 – University of Salerno;

G.Coppola - "ON THE SYMMETRY OF DISTRIBUTION OF THE PRIME-DIVISORS FUNCTION IN ALMOST ALL SHORT INTERVALS" - Preprint (to appear).

Collaborating with the scientific reviews:

- Reviewer for “Mathematical Reviews”

Avellino, 16th July 2009

Signature