Giuseppe F. Italiano

Dipartimento di Ingegneria Civile e Ingegneria Informatica

Università di Roma "Tor Vergata"

via del Politecnico 1

00133 Roma, Italy

+39-06-72597394

Fax +39-06-72597460

`italiano@disp.uniroma2.it`

`http://www.disp.uniroma2.it/users/italiano/`

RESEARCH INTERESTS

My interests are in the design, analysis, implementation and experimental evaluation of algorithms and data structures. My research areas include algorithm engineering, combinatorial algorithms, computer security, graph algorithms and string algorithms.

PERSONAL

Born on March 16, 1961 in Italy. Italian Citizen. Married plus four. Enjoy running.

EDUCATION

1988 - 91	Ph.D. in Computer Science. Columbia University, New York, NY. Thesis Advisor: Prof. Zvi Galil. Thesis Title: "Dynamic data structures for graphs".
1987 - 88	M.S. in Computer Science. Columbia University, New York, NY.
1979 - 85	*Laurea summa cum laude* in Electrical Engineering. University of Rome "La Sapienza", Roma, Italy. Thesis Advisor: Prof. Giorgio Ausiello.

EMPLOYMENT

2004 - 12	*Chair of the Department of Computer Science, Systems and Production.* University of Rome "Tor Vergata".
1998 -	*Professor of Computer Science.* Dipartimento di Informatica, Sistemi e Produzione, University of Rome "Tor Vergata", Italy.
1995 - 98	*Professor of Computer Science.* Dipartimento di Matematica Applicata ed Informatica, University of Venice "Ca' Foscari", Italy.
1994 - 95	*Professor of Computer Science.* Dipartimento di Informatica ed Applicazioni, University of Salerno, Italy.
1991 - 95	*Research Staff Member.* IBM Research Division, T.J. Watson Research Center, *Communication Systems Department.* Research in graph algorithms, distributed algorithms, and network architectures.
1989 - 94	*Assistant Professor.* Dipartimento di Informatica e Sistemistica, University of Rome "La Sapienza", Italy.

OTHER APPOINTMENTS

2012 -	*Member of the Board of Directors.* In-Time (`http://www.innovazioniperlaterra.org/`). Start-up focusing on information technologies for the environment.
2012 -	*Member of the Scientific Committee*, CeRSI, Research Center in Information Systems, LUISS University, Rome.
2011 - 14	*Member of the Gödel Award Committee.*
2009 -	*Co-founder and Chairperson*, TrustMyPhone (`http://trustmyphone.com`). Start-up focusing on security for mobile devices.
2006 -	*Member of the Council.* European Association for Theoretical Computer Science.

2002 - 08	*Head of the Evaluation Committee.* University of Rome "Tor Vergata".
2002 - 08	*Member of the Council.* European Association for Theoretical Computer Science, Italian Chapter.
2001 - 07	*Member of the Board of Directors.* Roma Ricerche Consortium.
2001 -	*Co-founder and Member of the Board of Directors*, Wireless Lab (`http://www.w-lab.it`). Start up focusing on wireless technologies and on pervasive and mobile computing.
2000	*Visiting Professor.* Department of Computer Science, Columbia University.
2000	*Member of the EATCS Doctoral Dissertation Thesis Award Committee*, EATCS Italian Chapter
1998	*Visiting Professor.* Department of Computer Science, The Hong Kong University of Science & Technology.

AWARDS AND HONORS

2011	Best Paper Award at the *8th Symposium on String Processing and Information Retrieval* (SPIRE 2011).
1997	*Distinguished Visiting Professor.* Max–Planck–Institut für Informatik, Saarbrücken, Germany.
1988 - 91	IBM Graduate Fellowship.
1986 - 87	Italian National Research Council Fellowship.

EDITORIAL ACTIVITIES

Journal Editorial Boards

2008–2014	Editor-in-Chief, *ACM Journal on Experimental Algorithmics*
2007–	Associate Editor, *Algorithmica*
2002–	Associate Editor, *Theoretical Computer Science*, Track A
2008–2010	Associate Editor, *Journal of Discrete Algorithms*
1999–2008	Editor-in-Chief, *Journal of Discrete Algorithms*
1999–2008	Associate Editor, *ACM Journal on Experimental Algorithmics*
1995–2007	Associate Editor, *Journal of Complexity*
1997–2003	Associate Editor, *Discrete Mathematics and Theoretical Computer Science*
1995–2003	Associate Editor, *Journal of Computing and Information*

Journal Guest Editor

1. *Journal of Discrete Algorithms*, vol. 7(3), 2009. Special issue on the 6th Int. Conf. on Algorithms and Complexity.
2. *Theoretical Computer Science*, vol. 380 (1–2), 2007. Special issue on the 32nd Int. Coll. on Automata, Languages and Programming.
3. *ACM Journal on Experimental Algorithmics*. Special issue on the 6th Workshop on Algorithm Engineering and Experimentation.
4. *Journal of Discrete Algorithms*, Special Issue, vol. 4 (3), September 2006.
5. *Journal of Algorithms*, 49, 1 (2003). Special Issue on the European Symposium on Algorithms 98.
6. *Algorithmica* vol. 30 (4), 2001, Special issue on Algorithm Engineering.
7. *Journal on Complexity* 15 (1), 1999. Festschrift for Zvi Galil.
8. *ACM Journal on Experimental Algorithmics* 3 (1998). Special Issue on the Workshop on Algorithm Engineering 1997.
9. *Theoretical Computer Science* 130 (1), 1994. Special Issue on Dynamic and On-line Algorithms.

KEYNOTE LECTURES

Invited Lectures at International Schools

1. *Microsoft School on Algorithms and Systems for Large Datasets*, Moskow, Russia, July 31 – August 7, 2013.
2. *17th Estonian Winter School in Computer Science* (EWSCS), Palmse, Estonia, February 26 -March 2, 2012 .
3. *Microsoft Data Structures and Algorithms School* (MIDAS), St. Petersburg, Russia, August 8-14, 2010.
4. *School on Graph Theory, Algorithms and Applications*, Erice, Italy, 8–16 September, 2008.
5. *20th International School on Algorithms: Science and Engineering*, Lipari, Italy, July 13 – July 26, 2008.
6. *Summer School on Shortest Paths - Between Algorithms and Optimization* (PATH05), July 4-8, 2005, Copenhagen, Denmark.

Invited Lectures at Conferences

1. NATO *Technology for Information, Decision and Execution Superiority* (TIDE) Sprint, 16-20 April 2012. Utrecht, The Netherlands.
2. *38th International Conference on Current Trends in Theory and Practice of Computer Science* (SOFSEM 2012), January 21-27, 2012, Špindlerův Mlýn, Czech Republic.
3. *7th International Conference on Algorithms and Complexity* (CIAC 2010), May 26-28, 2010 Rome, Italy.
4. *4th International Symposium on Experimental Algorithms* (SEA 2010), Ischia, Italy, May 20-22 2010.
5. *12th International Conference on Principles and Practice of Constraint Programming* (CP 2006), September 25-29, 2006, Nantes, France.
6. *ALGO 2005* (Joint Symposium and Workshops: ESA 2005, WABI 2005, WAOA 2005, AT-MOS 2005), 3-7 October 2005, Palma de Mallorca, Spain.
7. *3rd Workshop on Experimental Algorithms* (WEA 04), May 25–28 2004, Angra dos Reis, Brazil.
8. *11th International Symposium on Graph Drawing* (GD 2003), September 21–24 2003, Perugia, Italy.
9. *14th Australasian Workshop on Combinatorial Algorithms* (AWOCA 2003), July 13–16 2003, Seoul, Korea.
10. "Silver Jubilee", *25th International Symposium on Mathematical Foundations of Computer Science* (MFCS 2000), August 28 – September 1, 2000, Bratislava, Slovakia.
11. *Workshop on Advances in Data Structures*, December 11–12 1999, Chennai, India.
12. Workshop on Dynamic Graph Problems, *Thematic Programme on Graph Theory and Combinatorial Optimization*, June 5–9, 2000, Victoria, Canada.
13. "Fundamentals" Track (Foundations of Computer Science), *15th IFIP World Computer Congress* (IFIP 98), August 31 – September 4, 1998, Vienna (Austria), 1998.
14. *1st South American Workshop on String Processing* (WSP 93), 13-15 September 1993, Belo Horizonte, Brazil, 1993.
15. *20th Theory Day* at Columbia University, New York, U.S.A., 1992.

ADVISORY BOARDS, STEERING COMMITTEES, TASK GROUPS

2012–2015　Steering Committee Member of the *European Symposium on Algorithms* (ESA).

2012–2014　Member of the NATO RTO Task Group "Trusted Information Sharing for Partnerships" (IST-114).

2010–	Steering Committee Member of the *International Conference on Algorithms and Complexity* (CIAC).
2009–	*Member of the Advisory Board.* MADALGO - Center for MAssive Data ALGOrithmics, Aarhus, Denmark.
2007–2010	Steering Committee Member of the *European Symposium on Algorithms* (ESA).
2005–	Steering Committee Member of the *Workshop/Symposium on Experimental Algorithms* (WEA / SEA).
2004–2007	Steering Committee Member of the *Workshop on Algorithm Engineering and Experimentation* (ALENEX).
1997–2000	Steering Committee Member of the *Workshop on Algorithm Engineering* (WAE).
1997–2000	Steering Committee Member of the *European Symposium on Algorithms* (ESA).

PROGRAM COMMITTEES

Program Committee Member / Chair

1. **Global Chair**, *19th International European Conference on Parallel and Distributed Computing* (Euro-Par 2013), Topic 12 "Theory and Algorithms for Parallel Computation", Aachen, Germany, August 26–30, 2013.

2. **Program Chair**, *21st Annual European Symposium on Algorithms*, (ESA 2013), Sophia Antipolis, France, 2–6 September, 2013.

3. **Executive Committee Member**, *45th ACM Symposium on Theory of Computing* (STOC 2013), Palo Alto, CA, June, 1-4, 2013

4. **Program Chair**, *39th International Conference on Current Trends in Theory and Practice of Computer Science*, (SOFSEM 2013), Track "Foundations of Computer Science", January 2013.

5. *1st Mediterranean Conference on Algorithms* (MEDALG 2012), Ein-Gedi, Israel, December 3–5, 2012.

6. *International Workshop on Data Analytics and Mining in the Cloud*, Taipei, Taiwan, December 3–6, 2012.

7. *43rd Annual Conference of the Italian Operational Research Society* (AIRO 2012), Vietri sul Mare, September 4-7 2012.

8. *37th International Symposium on Mathematical Foundations of Computer Science* (MFCS 2012) Bratislava, Slovakia, August 27–31, 2012.

9. *8th Conf. on Next Generation Internet Networks* (NGI 2012), Blekinge Institute of Technology, Karlskrona, Sweden, June 25–27, 2012.

10. *13th Scandinavian Symposium and Workshops on Algorithm Theory* (SWAT 2012), Helsinki, Finland, 4–6 July 2012.

11. *9th International Conference on Integration of Artificial Intelligence and Operations Research Techniques in Constraint Programming* (CPAIOR 2012), Nantes, France, May 28 – June 1, 2012.

12. *12th Algorithms and Data Structure Symposium* (WADS 2011), Brooklyn, NY, USA, August 15–17, 2011.

13. *4th International Conference on Contemporary Computing* (IC3 2011), Noida, Uttar Pradesh, India, August 8–11, 2011.

14. *7th Conf. on Next Generation Internet Networks* (NGI 2011), Kaiserslautern, Germany, 27–29 June 2011.

15. *21st International Symposium of Algorithms and Computation* (ISAAC 2010), Jeju island, Korea, December 15–17, 2010.

16. *37th International Colloquium on Automata, Languages, and Programming* (ICALP 10), Track A, Bordeaux, France, 5–12 July, 2010.

17. *36th International Workshop on Graph Theoretic Concepts in Computer Science* (WG 10), Zaros, Crete, Greece, June 28–30, 2010.

18. *6th Conf. on Next Generation Internet Networks* (NGI 10), Paris, France, June 2–4, 2010.

19. *12th Workshop on Algorithm Engineering and Experimentation* (ALENEX 10) Austin, Texas, January 16 2010.

20. *17th Annual European Symposium on Algorithms*, (ESA 09), Copenhagen, Denmark, 7–9 September, 2009.

21. *34st International Symposium on Mathematical Foundations of Computer Science*, (MFCS 09), Novy Smokovec, High Tatras, Slovakia, August 24–28, 2009

22. *5th IEEE Conf. on Next Generation Internet Networks* (NGI 09), Aveiro, Portugal, 22–24 June 2009.

23. *8th International Symposium on Experimental Algorithms*, (SEA 09), Dortmund, Germany, June 3-6, 2009.

24. *3rd International Workshop on Algorithms and Complexity*, (WALCOM 09), Kolkata, India, 18-20 February, 2009.

25. *35th International Conference on Current Trends in Theory and Practice of Computer Science* (SOFSEM 09), Špindlerův Mlýn, Czech Republic, January 24-30, 2009.

26. *5th IFIP International Conference on Theoretical Computer Science* (TCS 08), Track A, Milano, Italy, 8-10 September, 2008.

27. *35th International Colloquium on Automata, Languages, and Programming* (ICALP 08), Track A, Reykjavik, Iceland, 7-11 July, 2008.

28. *4th IEEE Conf. on Next Generation Internet Networks* (NGI 08), Kraków, Poland, 28–30 April 2008.

29. **Program Co-Chair**, *10th Italian Conference on Theoretical Computer Science*, (ICTCS 07), Rome, Italy, 3–6 October, 2007.

30. *32nd International Symposium on Mathematical Foundations of Computer Science* (MFCS 07), Cesky Krumlov, Czech Republic, 27–31 August, 2007.

31. *6th Workshop on Experimental Algorithms* (WEA 07), Rome, Italy, 6–9 June, 2007.

32. *3rd Int. Conference on Algorithmic Aspects in Information and Management* (AAIM'07), Portland, USA, 6–8 June, 2007.

33. *3rd IEEE Conf. on Next Generation Internet Networks – Traffic Engineering* (NGI 07), Tondheim, Norway, 23–25 May 2007.

34. **Program Chair**, *33rd International Conference on Current Trends in Theory and Practice of Computer Science*, (SOFSEM 07), Track "Foundations of Computer Science", Harrachov, Czech Republic, January 20-26, 2007.

35. *25th Int. Conference on Foundations of Software Technology and Theoretical Computer Science* (FSTTCS 06), Calcutta, India, 13–15 December 2006.

36. *2nd Int. Conference on Algorithmic Aspects in Information and Management* (AAIM'06), Hong Kong, 20–22 June 2006.

37. **Program Chair**, *6th Int. Conference on Algorithms and Complexity* (CIAC 06), Rome, Italy, 29–31 May 2006.

38. *IEEE Conf. on Next Generation Internet Networks – Traffic Engineering* (NGI 06), Valencia, Spain, April 2006.

39. **Program Chair**, *32nd International Colloquium on Automata, Languages, and Programming*, (ICALP 05), Track A, Lisbon, Portugal, 11–15 July 2005.

40. *4th Workshop on Efficient and Experimental Algorithms* (WEA 05), Santorini, Greece, May 10–13, 2005.

41. *IEEE Conf. on Next Generation Internet Networks – Traffic Engineering* (NGI 05), Rome, Italy, April 18–20, 2005.

42. *16th ACM-SIAM Symposium on Discrete Algorithms* (SODA 05), Vancouver, Canada, January 23–35, 2005.

43. *45th IEEE Symposium on Foundations of Computer Science*, (FOCS 04), Rome, Italy, 17–19 October 2004.

44. *12th European Symposium on Algorithms*, (ESA 2004), Engineering and Application Track, Bergen, Norway, September 13–18 2004.

45. *31st International Colloquium on Automata, Languages, and Programming*, (ICALP 04), Turku, Finland, July 2004.

46. **Program Co-Chair**, *6th Workshop on Algorithm Engineering and Experimentation* (ALENEX 04) New Orleans, LA, January 2004.

47. *8th Workshop on Algorithms and Data Structures* (WADS 2003), Carleton, Canada, July 30 - August 1, 2003.

48. 8th Scandinavian Workshop on Algorithm Theory (SWAT 2002), Turku, Finland, 3–5 July 2002.

49. 7th Italian Conference on Theoretical Computer Science (ICTCS 2001), Torino, Italy, 4-6 October 2001.

50. 5th International Workshop on Discrete Algorithms and Methods for Mobile Computing and Communication (DIALM 2001), Rome Italy, 26 July 2001.

51. 28th International Colloquium on Automata, Languages, and Programming (ICALP 01), Crete, Grece, 8–12 July 2001.

52. 11th Annual International Symposium on Algorithms and Computation (ISAAC 2000), Academia Sinica, Taiwan, 18–20 December 2000.

53. 4th Italian Conference on Algorithms and Complexity (CIAC 2000), Rome, Italy, 1–2 March 2000.

54. 3rd Workshop on Algorithm Engineering (WAE 99), London, UK, 19–21 July 1999.

55. 7th European Symposium on Algorithms (ESA 99), Prague, Czech Republic, July 1999.

56. 1st Workshop on Algorithm Engineering and Experimentation (ALENEX 99) Baltimore, MD, January 15-16, 1999.

57. 6th Italian Conference on Theoretical Computer Science (ICTCS 98), Prato, Italy, 9–11 November 1998.

58. **Program Co-Chair**, *6th European Symposium on Algorithms* (ESA 98), Venice, Italy, 24–26 August 1998.

59. Electronic commerce for Small and Medium Enterprises (CABOTO 98), Venice, Italy, 26–27 February 1998.

60. 15th Symposium on Theoretical Aspects of Computer Science (STACS 98), Paris, France, 25–27 February 1998.

61. **Program Chair**, *1st Workshop on Algorithm Engineering* (WAE 97), Venice, Italy, 11–13 September 1997.

62. 5th Israeli Symposium on Theory of Computing and Systems (ISTCS 97), Ramat–Gan, Israel, 17–19 June 1997.

63. 3rd Italian Conference on Algorithms and Complexity (CIAC 97), Rome, Italy, 12–14 March 1997.

64. 3rd European Symposium on Algorithms (ESA 95), Corfu, Greece, 25-27 September 1995.

65. 4th Scandinavian Workshop on Algorithm Theory (SWAT 94), Aarhus, Denmark, 7-9 July 1994.

Organizing Committee Chair

1. *45th Annual Symposium on Foundations of Computer Science* (FOCS 2004), Rome, Italy, October 2004.

2. 6th European Symposium on Algorithms (ESA 98), Venice, Italy, 24–26 August 1998.

Other Workshops and Schools Organized

1. "Algorithm Engineering", Workshop, Schloß Dagstuhl, Germany, September 23–27, 2013 Co-organized with Andrew Goldberg, David S. Johnson, Dorothea Wagner.

2. 6th Workshop on "Algorithm and Data Structures", June 2-7, 2013, Bertinoro, Italy. Co-organized with Andrew Goldberg, Valerie King, Robert E. Tarjan.

3. "School on Graph Theory, Algorithms and Applications", Center "Ettore Majorana" for Scientific Culture, Erice (Italy), 25 September – 3 October, 2011. Co-organized with Raffaele Cerulli, Andrew Goldberg, Kurt Mehlhorn, Robert E. Tarjan.

4. "Algorithm Engineering", Workshop, Schloß Dagstuhl, Germany, June 27 – July 2, 2010 Co-organized with David S. Johnson, Petra Mutzel, Peter Sanders.

5. 4th Workshop on "Algorithm and Data Structures", June 7–12, 2009, Bertinoro, Italy. Co-organized with Andrew Goldberg, Valerie King, Robert E. Tarjan.

6. "School on Graph Theory, Algorithms and Applications", Center "Ettore Majorana" for Scientific Culture, Erice (Italy), 8–16 September, 2008. Co-organized with Raffaele Cerulli, Andrew Goldberg, Robert E. Tarjan.

7. "Algorithm Engineering", Mathematisches Forsgungsinstitut Oberwolfach (Germany), 6–12 May 2007 (Oberwolfach Workshop). Co-organized with Petra Mutzel, Peter Sanders, Martin Skutella.

8. 2nd Workshop on "Algorithm and Data Structures", May 29 - June 4, 2005, Bertinoro, Italy. Co-organized with Andrew Goldberg.

9. Workshop on "Algorithm and Data Structures", June 23–28, 2003, Bertinoro, Italy. Co-organized with Camil Demetrescu.

10. "Summer School on Algorithm Engineering", Rome, Italy, September 10–12, 2001 Co-organized with Giovanni Rinaldi.

11. "Efficient Algorithms", Mathematisches Forsgungsinstitut Oberwolfach (Germany), 6–12 August 2000 (Oberwolfach Workshop). Co-organized with Susanne Albers, Torben Hagerup, Kurt Mehlhorn

PH.D. STUDENTS

Graduated

1998–2001 Camil Demetrescu, "Fully Dynamic Algorithms for Path Problems on Directed Graphs". Now Associate Professor at "Sapienza" University of Rome.

1999–2003 Gianluigi Me, "Mobile transactions security". Now Major in the Italian Carabinieri police.

2000–2004 Fabrizio Grandoni, "Exact Algorithms for Hard Graph Problems". Now Senior Researcher at IDSIA, University of Lugano, Switzerland.

2002–2006 Maurizio A. Strangio, "Two-Party Cryptographic Protocols for Authentication and Key Agreement with Applications to Mobile Computing". Now Major in the Italian Carabinieri police.

2005–2009 Fabio Dellutri, "Profiling Mobile Identities". Now Project Manager at Mashfrog S.p.A.

2007–2011 Antonio Grillo, "Trasferring Identities to Mobile Devices (TIMiD)". Now Project Manager at TrustMyPhone S.r.l.

2007–2011 Alessandro Lentini, "TUBA: Total User Behavioural Authentication". Now Project Manager at TrustMyPhone S.r.l.

2007–2011 Vittorio Ottaviani "Open BAR - A New Approach to Mobile Backup And Restore". Now Project Manager at Mashfrog S.p.A.

2007–2012 Rosamaria Bertè. "Triage techniques applied to Digital Forensics". Now Technical Manager at the Italian Corte dei Conti.

Current

2010– Marco Querini, expected 2014.

2010– Fabio Marturana, expected 2014.

2011– Federico Santaroni, expected 2015.

2011– Davide Cannone, expected 2015.

2012– Francesco Bianchi, expected 2016.

Member of Ph.D. Theses Committees

2012 "Complex Networks: Algorithms, Analysis and Models", Leonardo Lanzi, University of Florence, Italy.

2011 "Engineering Algorithms for Solving Geometric and Graph Problems on Large Data Sets", Adan Cosgaya Lozano, Dalhousie University, Halifax, Nova Scotia, Canada.

2010 "Data Structures Libraries", Leonor Frias, Universitat Politècnica de Catalunya, Barcelona, Spain.

2008 "Streaming Algorithms for Graph Problems" Andrea Ribichini, Department of Computer and System Science, University of Rome "La Sapienza", Italy.

2007 "Constraintes de Partitionnement de Graphs", Xavier Lorca, Ecole Nationale Supérieure des Techniques Industrielles et des Mines de Nantes, Nantes, France.

2007 "Hardware-Aware Algorithms and Data Structures", Gabriel Moruz, BRICS, Department of Computer Science, University of Aarhus, Denmark.

2006 "Dynamic and Static Graph Algorithms", Liam Roditty, School of Computer Science, Tel Aviv University, Israel.

2005 "Experimental Analysis of Graph Algorithms", Pompeo Faruolo, Department of Computer Science, University of Salerno, Italy.

2000 "Tracking Causality in Distributed Computations", Giovanna Melideo, Department of Computer and System Science, University of Rome "La Sapienza", Italy.

1999 "Computing with Trees", Stephen Alstrup, Department of Computer Science, University of Copenhagen, Denmark.

1997 "Designing Efficient Parallel Algorithms of Graph Problems", Weifa Liang, Department of Computer Science, Australian National University, Australia.

1997 "Dynamic computation", Thore Husfeldt, Department of Computer Science, University of Aarhus, Denmark.

1997 "Does the cubicity help to solve problems?", Tiziana Calamoneri, Department of Computer Science, University of Rome "La Sapienza", Italy.

Member of Habilitation Committees

1998 Dr. Karsten Weihe, Faculty of Mathematics and Computer Science, University of Konstanz, Germany.

EVALUATOR/REVIEWER FOR FUNDING AGENCIES

European Union under FP7-ICT-2011 and FP6-IST-2007

US National Science Foundation (NSF)

Danish Research Councils,

Israel Science Foundation (ISF)

Natural Sciences and Engineering Research Council of Canada (NSERC)

RESEARCH FUNDING

2012-13 Mashfrog S.p.A., Grant on "Innovative algorithms for mobile transactions" (Principal Investigator)

2012-13 TrustMyPhone S.r.l., Grant on "My Mobile Enterprise (MYME)" (Principal Investigator)

2012-13 FILAS S.p.A., Grant on "Mobile solutions for e-Health (HE.Mob.TV)" (Principal Investigator)

2011	Elettronica S.p.A., Grant on "Cyber Threats" (Principal Investigator),
2011	Elettronica S.p.A., Grant on "OODA Loops" (Principal Investigator).
2011	Elettronica S.p.A., Grant on "HLA Federated Simulator for Network Centric Scenarios" (Principal Investigator).
2011	Land S.r.l., Research Grant on "High Capacity Color 2D Barcodes" (Principal Investigator).
2010-12	European Union, Research Grant on Secure Imprint GeNerated for papEr Documents (SIGNED), Project No. 262448, FP7-SME-2010-1 (Principal Co-Investigator)
2010-12	Italian Ministry of Education, University and Research, PRIN 2008 Project AlgoDEEP: Algorithmic Challenges for Data-intensive Processing on Emerging Computing Platforms (Principal Co-Investigator).
2010-11	Biofly S.r.l., Grant on Virtual Black Box (Principal Investigator).
2010	Elettronica S.p.A., Grant on Simulators for Mobile Ad Hoc Networks (Principal Investigator).
2008-11	European Union, Network of Excellence EuroNF: Network of Excellence on Anticipating the Network of the Future - From Theory to Design.
2008-09	Elettronica S.p.A., Grant on Benchmarking for Single Board Computers (Principal Investigator).
2008-09	Biofly S.r.l., Grant on Security for Adhoc Networks (Principal Investigator).
2007-08	Spike Replay S.r.l., Grant on Digital Signatures for SMS on smart phones (Principal Investigator).
2007-08	Telefono Azzurro Onlus, Grant on Web Security (Principal Investigator).
2007-09	Italian Ministry of Education, University and Research, PRIN 2006 Project MAINSTREAM: Algorithms for Massive Information Structures and Data Streams (Principal Co-Investigator).
2006-08	European Union, Network of Excellence EuroFGI: Design and Engineering the Future Generation Internet - Towards convergent multi-service networks.
2005-06	FILAS S.p.A., Finanziaria Laziale di Sviluppo, Project WEPSS: Web Platform for Secure Sharing of Data and Applications (Principal Investigator).
2004-06	Italian Ministry of Education, University and Research, PRIN 2004 Project ALGONEXT: Algorithms for Next Generation Internet and Web (Principal Co-Investigator).
2004	Land S.r.l.: Grant on "Security issues for paper documents" (Principal Investigator).
2003-06	European Union, Network of Excellence EuroNGI: Design and Engineering the Next Generation Internet.
2002-04	Italian Ministry of Education, University and Research, PRIN 2002 Project on Algorithms for Internet and Web (Principal Co-Investigator).
2001-02	CNR, Italian National Research Council, Contract n. 01.00690.CT26 (Principal Investigator).
2001-02	Special Research Grant from University of Rome "Tor Vergata" on Algorithmic software for timetabling (Principal Co-Investigator).
2001-02	ENEA, Italian Agency for New Technologies, Energy and Environment, Grant on "Design and Simulation of Innovative Transportation Systems" (Principal Investigator).
2000-03	IST Programme of the European Union, Contract n. IST-1999-14.186 (Project Alcom-FT)
2000-01	CNR, Italian National Research Council, Contract n. 00.00346.CT26 (Principal Investigator).

OTHER FUNDING

TALKS AND SEMINARS

Some universities and research institutions in which I have given talks (most of them more than once):

Hong Kong University of Science and Technology, Max-Planck Institute für Informatik, Polytechnic of Milan, University of Copenhagen, University of Aarhus, ETH Zurich, Cornell University, University of Trento, IASI-CNR Rome, University of Pisa, IBM ECSEC Rome, University of Palermo, Columbia University, University of Padova, Yale University, University of Salerno, Brown University, University of Maryland, University of Rochester, AT&T Bell Labs, University of California at Santa Barbara, University of Illinois at Chicago, Brooklyn Polytechnic, IBM T.J. Watson Research Center, University of Rome "La Sapienza", Universität Bonn, Universität des Saarlandes, University of L'Aquila.

PUBLICATIONS

Books and Conference Proceedings

[1] P. van Emde Boas, F. C. A. Groen, G. F. Italiano, J. Nawrocki, H. Sack (Eds.) *SOFSEM 2013: Theory and Practice of Computer Science*, Proceedings, vol. 1. *Lecture Notes in Computer Science vol. 7741*, Springer-Verlag 2012.

[2] J. van Leeuwen, G. F. Italiano, W. van der Hoek, C. Meinel, H. Sack, F. Plásil (Eds.) *Theory and Practice of Computer Science*, Proceedings, vol. 1. *Lecture Notes in Computer Science vol. 4362*, Springer-Verlag 2007.

[3] J. van Leeuwen, G. F. Italiano, W. van der Hoek, C. Meinel, H. Sack, F. Plásil (Eds.) *Theory and Practice of Computer Science*, Proceedings, vol. 2. Institute of Computer Science AS CR, Prague 2007, ISBN 80-903298-9-6.

[4] G. F. Italiano, E. Moggi, L. Laura (Eds.) *Theoretical Computer Science, 10th Italian Conference*, Proceedings, World Scientific 2007.

[5] C. Demetrescu, U. Ferraro Petrillo, I. Finocchi e G. F. Italiano. *Progetto di Algoritmi e Strutture Dati in Java*. ISBN 978-88-386-6374-1. McGraw-Hill, 2007 (in Italian).

[6] T. Calamoneri, I. Finocchi, G. F. Italiano (Eds.) *Algorithms and Complexity*, Proceedings. *Lecture Notes in Computer Science vol. 3998*, Springer-Verlag 2006.

[7] L. Caires, G. F. Italiano, L. Monteiro, C. Palamidessi, M. Yung (Eds.) *Automata, Languages and Programming*, Proceedings. *Lecture Notes in Computer Science vol. 3580*, Springer-Verlag 2005.

[8] C. Demetrescu, I. Finocchi e G. F. Italiano. *Algoritmi e Strutture Dati*. ISBN 88-386-6161-8. McGraw-Hill, 2004 (in Italian).

[9] L. Arge, G. F. Italiano, R. Sedgewick, *6th Workshop on Algorithm Engineering and Experimentation and 1st Workshop on Analytic Algorithmics and Combinatorics*, *SIAM* Proceedings, 2004.

[10] G. Bilardi, G. F. Italiano, A. Pietracaprina, G. Pucci (Eds.) *Algorithms – ESA'98*, Proceedings. *Lecture Notes in Computer Science vol. 1461*, Springer-Verlag 1998.

[11] G. F. Italiano, S. Orlando, *Algorithm Engineering: WAE '97*, Proceedings, 1997.

Journal Special Issues

[12] G. F. Italiano, R. Petreschi, *Special issue on the 6th Int. Conf. on Algorithms and Complexity*, *Journal of Discrete Algorithms*, vol. 7(3), 2009.

[13] G. F. Italiano, C. Palamidessi, *Special issue on the 32nd Int. Coll. on Automata, Languages and Programming*, *Theoretical Computer Science*, vol. 380, 1–2 (2007).

[14] L. Arge, G. F. Italiano, *Special issue on the 6th Workshop on Algorithm Engineering and Experimentation*, *ACM Journal on Experimental Algorithmics* vol. 12, 2007.

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