

*Curriculum Vitae
and List of Publications*

Giuseppe Liotta

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Brief Biography

Giuseppe Liotta is a professor of computer science at the Department of Engineering of the University of Perugia, Italy. He received a PhD degree from Sapienza, University of Rome. His post-doc appointment was at Brown University, US. Giuseppe spent long term research visits at McGill University (Canada) and at the University of Sydney (Australia) and short-term visits in several research institutions worldwide. His research interests are mainly directed at the analysis and design of algorithms and systems that have applications in the fields of network science, information visualization, and graph drawing. On these topics Giuseppe edited special issues, wrote surveys papers, book chapters, published more than 300 research papers, and gave lectures worldwide. He regularly serves on international scientific boards and in program committees of international conferences. Giuseppe served as the chairperson of the Steering Committee for the International Symposium on Graph Drawing and Network Visualization and recently joined the conferences Advisory Board. He also served as the editor in chief of the Journal on Graph Algorithms and Applications, and is now acting as co-editor in chief of Computer Science Review. Over the years, the research of Giuseppe Liotta has been supported by several grants issued by both public and private sponsors. Concerning technology transfer, Giuseppe consulted private companies, public bodies, and was the co-founder of a spin-off company of the University of Perugia. He has gained administrative experience by serving his university in different management roles, including being a member of its academic senate and acting as a deputy chancellor. He currently serves as the head of the PhD School in Industrial and Information Engineering of the University of Perugia.

Education

1995–96 : Post-doc, Department of Computer Science, Brown University, US.

1995 : Ph.D. in Computer Engineering, University of Rome “La Sapienza”, Italy.

1990 : Laurea (M.Sc. Degree) in Electrical Engineering, University of Rome “La Sapienza”, Italy.

Research Interests

Graph Algorithms and Graph Drawing.

Information Visualization.

Network Science.

Computational Geometry and its applications.

Professional Appointments

2002 - present: Professor, Department of Engineering, University of Perugia, Italy.

1998 - 2002 : Associate professor, Faculty of Engineering, University of Perugia, Italy.

1996 - 1998 : Assistant Professor, Faculty of Engineering, University of Rome “La Sapienza”, Italy.

Visiting Positions

2025 : Visiting Professor. University of Konstanz, Germany. Carried out research with Falk Schreiber and Karsten Klein.

2017 : Visiting Professor, University of Wurzburg, Germany. Carried out research with Alexander Wolff and his group.

2014 : Visiting Professor, University of Arizona, US. Carried out research with Stephen Kobourov and his group.

2012 : Visiting Professor. National Technical University of Athens, Greece. Carried out research with Antonis Symvonis.

2011 : Visiting Professor. Polytechnique Fédérale de Lausanne, Switzerland. Carried out research with Janos Pach and his group.

2010 : Visiting Professor. University of Sydney, Australia. Carried out research with Peter Eades.

2006 : Visiting Professor. Brown University, US. Carried out research with Roberto Tamassia and Franco Preparata.

2004 : Visiting Professor. University of Tuebingen, Germany. Carried out research with Michael Kaufmann.

2002 : Visiting Professor. McGill University, Canada. Carried out research with Sue Whitesides.

Academic Service

Department Level

2020 - present: Director of the PhD School in Industrial and Information Engineering, University of Perugia. The school includes 47 faculty members with expertise in different disciplines of industrial engineering and of information engineering, including computer science.

2013 - 2014: Vice-director, Department of Engineering, University of Perugia. With more than 80 faculty members, the department is the second largest of the University of Perugia.

2002 - 2006 : Chair of the undergraduate programs in Computer and Electrical Engineering, University of Perugia. The student body of the program is between five and six hundred.

University Level

2014 - 2019: Deputy chancellor (rector delegate) for the ICT infrastructure and the information system of the University of Perugia. The deputy chancellor has a staff of 27 technical and administrative personnel.

2010 - 2013: Member of the Academic Senate of the University of Perugia. With about 1000 faculty members and about 25000 students, the Academic Senate includes representatives of the administrative staff and of the student body.

National Level

2026 - present: Vice-President of GII (*Gruppo di Ingegneria Informatica*). The GII is the academic body of the more than 1000 faculty members in Computer Engineering working in the Italian universities. It discusses topics of national interest about teaching and curricula design in computer engineering, interacting with the main Italian governmental bodies.

2018 - 2025: Member of the executive board of GII (*Giunta GII - Gruppo di Ingegneria Informatica*). The GII is the academic body of the more than 1000 faculty members in Computer Engineering working in the Italian universities. It

discusses topics of national interest about teaching and curricula design in computer engineering, interacting with the main Italian governmental bodies. See also <https://www.gii.it/index.php/gii/organigiunta>

2022 - 2025: Member of the Board of Directors of the *National Interuniversity Consortium for Informatics (CINI)*. The consortium is the main point of reference for the Italian academic research in the field of Computer Science and Engineering. See also <https://www.consortio-cini.it/index.php/it/chi-siamo-left2/organiconsiglio-direttivo>

Research Evaluation and Habilitation Committees

National

2020 - 2022 : Member of the *GEV 09 Committee*. The committee is appointed by the Italian Ministry of Research and University (MUR) and has the goal of evaluating the research performance of all Italian universities in the broad area of Industrial and Information Engineering.

2016 - 2018 : Member of the *ASN Committee 09/H1*. The committee is appointed by the Italian Ministry of Research and University (MUR) and it gives the Italian habilitation to full professorship and associate professorship in computer engineering.

International

2025 : Member of the *Quality Review Committee* for the Department of Computer Science and Information Systems, University of Limerick, Ireland.

2024 - present: Member of the *ICORE Management Committee*. The *ICORE Conference Ranking* is an internationally recognized ranking of conferences in computer science. See also <https://www.core.edu.au/icore-portal>.

2023 : Member of the *CORE Area Committee* for the field of research FoR 4613, "Theory of computation". The committee provides assessments of major conferences in the area of theoretical computer science.

Editorial Service

2021 - present: Co-editor in chief of *Computer Science Review* (published by Elsevier, Q1, I.F. 12.7; see also <https://www.sciencedirect.com/journal/computer-science-review>).

2014 - June 2023 : Editor in chief of the *Journal of Graph Algorithms and Applications*, a diamond open access journal.

2023-2024 : Guest-editor of *Algorithmica*.

2009 - 2010 : Associate editor of *Computing*.

2002 - 2014 : Associate editor of *Journal of Graph Algorithms and Applications*.

- 2014 : Guest-editor of *Computational Geometry: Theory and Applications*
- 2007 : Guest-editor of *Discrete Applied Mathematics*.
- 2003 – 2006 : Editor of conference proceedings and article collections for Springer Verlag and for World Scientific.

Steering Committees

- 2020 – present: Member of the Steering Committee of the *International Conference and Workshops on Algorithms and Computation, WALCOM*.
- 2014 – 2019 : Chair-person of the Steering Committee of the *International Symposium on Graph Drawing and Network Visualization*.
- 2007 – 2014 : Member of the Steering Committee of the *International Symposium on Graph Drawing and Network Visualization*.

Program Committee Chair

- 2026 : *IEEE Pacific Visualization Conference, PacificVis 2026*, program committee co-chair.
- 2025 : *European Workshop on Computational Geometry, EuroCG 2025*, program committee co-chair .
- 2023 : *International Conference and Workshops on Algorithms and Computation, WALCOM 2023*, program committee co- chair.
- 2012 : *28th European Workshop on Computational Geometry, EuroCG 2012*, March 2012, program committee co- chair.
- 2003 : *International Symposium on Graph Drawing, GD 2003*, program committee chair.

Organization of Scientific Events

- 2006 – present : co-organizer of the *Bertinoro Workshop on Graph Drawing, BWGD*, held every year.
- 2020 : co-organizer of the *Shonan Meeting on Trends and Perspectives for Graph Drawing and Network Visualization*.
- 2016 : co-organizer of the *Shonan Meeting on Dynamic Networks Visual Analytics: Approaches to facilitate visual analysis of complex and dynamic network data*.

2015 : co-organizer of the *Shonan Meeting on Big Graph Drawing: Metrics and Methods*, co-organizer.

2005 : co-organizer of the *ACM Symposium on Computational Geometry, SoCG05*.

Research Grants

2023 - 2026 : Italian Ministry of University and Research (MUR), PRIN-Program. Title of the Project: “EXPAND: scalable algorithms for EXPloratory Analyses of heterogeneous and dynamic Networked Data”. Co-principal Investigator. Budget: € 71,678. (Project in collaboration with other Italian universities; total budget of the project: €388,337.)

2022 - 2025 : Italian Ministry of University and Research (MUR). MUR-Cultural Heritage Program, Project ARS01-00540. Title of the Project: “RASTA - Augmented Reality and Automated Storytelling for the Intelligent Platform for the enhancement of cultural and environmental assets in Italy”. Co-principal Investigator. Budget: €245,519. (Project in collaboration with other Italian universities and companies; total budget of the project: € 1,982,00.)

2022 - 2023 : Italian Ministry of Justice - Azione 1.4.1 PON Governance 2014-2020. Title of the Project: “Per una giustizia giusta: Innovazione ed efficienza negli uffici giudiziari - Giustizia AGILE”. Co-principal Investigator. Budget: €111,500. (Project in collaboration with other Italian universities and companies; total budget of the project: € 8,072,079.90)

2019 - 2023 : Italian Ministry of University and Research (MUR). MUR-Smart Cities and Communities Program, Project SCN-00166. Title of the Project: ”SMARTOUR - Intelligent Platform for Tourism”. Co-principal Investigator. Budget: €309,600. (Project in collaboration with other Italian universities and companies; total budget of the project: € 12,597,009.)

2019 - 2022 : Italian Ministry of University and Research (MUR). PRIN-Program. Title of the Project: “AHeAD: efficient Algorithms for HARnessing networked Data”. Co-principal Investigator. Budget: € 131,000. (Project in collaboration with other Italian universities; total budget of the project: €594,860.)

2019 - 2022 : Umbria Region POR-FESR Program 2014 - 2020, Project PRJ-1507. Title of the Project: ”CARE: Un Sistema Informativo Regionale per lo Scompensamento Cardiaco e le Patologie Vascolari”. Co-principal Investigator. Budget: Euro 113,780. (Project in collaboration with other departments of the University of Perugia; total budget of Euro 550,000.)

2015 - 2017 : Italian Government, Region of Umbria. Title of the Project: “Misurare L’Agenda Digitale dell’Umbria (Evaluating the State of the Digital Agenda in Umbria)”. Principal Investigator. Budget: €50,000.

- 2016 : Contract of technology transfer with the company ETI3 s.r.l. Title of the Project: “Analisi, progetto e sviluppo di algoritmi e interfacce di analisi visuale di dati nell’ambito del sistema di Knowledge Discovery Piattaforma PA and B2B”, Co-principal Investigator. Budget: €35,000.
- 2013 - 2016 : Italian Ministry of Research (MIUR). MIUR-Cofin Program. Title of the Project: “AMANDA: Algorithmics for MAssive and Networked DAta”. Co-principal Investigator. Budget: €55,713. (Project in collaboration with other Italian universities; total budget of €477,537.)
- 2014 - 2015 : Italian Government, Region of Umbria. Title of the Project: “The Design of a Web Portal for Tourism in Umbria”. Principal Investigator. Budget: €50,000.
- 2013 - 2014 : Italian Government, Region of Umbria. Title of the Project: “VITA: Visualizzazione dell’Informazione e Tecnologie Assistive (Information Visualization and Assistive Technologies)”. Co-principal Investigator. Budget: €50,000. (Project in collaboration with a research unit of cognitive psychology of the University of Perugia ; total budget of €100,000.)
- 2011 - 2012 : Italian Government, Region of Umbria. Title of the Project: “TRART: Telematic Representation-Augmented Reality-Territories”, a project for smart cities and communities. Principal Investigator. Budget: €50,000.
- 2010 - 2012 : Italian Ministry of Research (MIUR). MIUR-Cofin Program. Title of the Project: “AlgoDEEP, Algorithmic Challenges for Data Intensive Processing on Emerging Computing Platforms”. Co-principal Investigator. Budget: €20,000. (Project in collaboration with other Italian universities; total budget of about €130,000.)
- 2009 - 2010: Italian Government, Region of Umbria, ARPA Office. Title of the Project: “Design of visual interfaces for the Regional Environmental Software Platform”. Principal Investigator. Budget: about €35,000.
- 2009 - 2010 : Italian Government, Province of Perugia. Title of the Project: “A cost-benefit study for the adoption of FLOSS in the Province of Perugia”. Principal Investigator. Budget: about €22,000.
- 2009 - 2010: Fondazione Cassa di Risparmio di Perugia. Title of the Project: “TaleNet: Didattiche collaborative in rete, codice etico e problemi ermeneutici”. Investigator (in collaboration with colleagues from the Faculty of Education of the University of Perugia). Total Budget: about €60,000.
- 2008 - 2009: Italian Government, Region of Umbria. Collaborative Research Program FESR. Title of the Project: “COWA: COncceptual Web Analyzer”. Principal Investigator. Budget: about €65,000.
- 2006 - 2008 : Italian Ministry of Research (MIUR). MIUR-Cofin Program. Title of the Project: “MAINSTREAM: Algorithms for massive information structures and data

streams”. Co-principal Investigator. Budget: €19,000. (Project in collaboration with other Italian universities; total budget of about €187,000.)

2003 - 2007 : European Union. EU @LIS Program ALA 2002/048-222/3124. Title of the project: “HEALT for ALL in LA: Improving Health Care Access and Management through e-Learning for Continuous Professional Development of Family Doctors in Latin America”. Co-principal Investigator. Budget: €390,000. (Project in collaboration with other European and South American universities and research centers; total budget of about €2.7M.)

2006 - 2007 : Italian Government, Umbria Region. Title of the Project: “AREA: Design of an Interactive Platform for Environmental Education in the Umbria Region”. Principal Investigator. Budget: €47,000.

2004 - 2006 : Italian Ministry of Research (MIUR). MIUR-Cofin 2004 Program. Title of the Project: “ALGO-NEXT, Algorithms for the Next Generation Internet and Web: Methodologies, Design and Experiments”. Co-principal Investigator. Budget: €17,000. (Project in collaboration with other Italian universities; total budget of about €100,000.)

2002 - 2005 : Italian Ministry of Research MIUR n. S606/Project. Title of the project: “Automatic Systems for storing and accessing DNA, Blood, and other biological materials” (“Sistemi robotizzati per la conservazione di DNA, sangue e materiali biologici”). Co-principal Investigator. Budget: €186,590. (Project is in collaboration with other Italian universities and industries; total budget of about €5.6M.)

2002 - 2004 : Italian Ministry of Research (MIUR). MIUR-Cofin 2002 Program. Title of the Project: “ALINWEB, Algorithms for the Internet and the Web”. Co-principal Investigator. Budget: €17,000. (Project in collaboration with other Italian universities; total budget of about €100,000.)

2002 : Angelantoni Industries, s.r.l.. Title of the project: “Database System for the HEMOSAFE Project”. Principal Investigator. Budget: €23,000.

2001 : Italian Government, Province of Perugia. Title of the project: “Reviewing and Testing the performances of the Intranet of the Public Administration in the Province of Perugia”. Principal Investigator. Budget: €36,000.

2000 - 2002 : Italian Ministry of Research and Education (MIUR). MIUR-Cofin 2000 Program. Project Title: “Algorithms for Large Data Sets: Science and Engineering”. Co-principal Investigator. Budget: €15,000. (Project in collaboration with other Italian universities; total budget of about €100,000.)

1998 - 2000 : Italian National Research Council (CNR). Project Title: “Robust Geometric Computing and its applications to computer graphics and CAD”. Co-principal Investigator. Budget: €12,000. (Project in collaboration with Univ. of Rome “La Sapienza” and with Univ. of Rome “Roma Tre”; total budget of about €36,000.)

1998 – 2000 : Univ.of Perugia. Project Title: “Heterogeneous Systems for Multimedia Applications” Principal Investigator. Budget: €25,000.

1997 – 1999 : Italian Ministry of Research and Education (MIUR). MIUR-Cofin 1997 Program. Project Title: “On-line Algorithms for Autonomous Agents”. Co-principal Investigator. Budget: €20,000. (Project in collaboration with other Italian universities; total budget of about €130,000.)

Program Committees (selection)

2027 : *Workshop on Algorithms and Computation, WALCOM 2027*, March 2027, PC member.

2026 : *42nd European Workshop on Computational Geometry, EuroCG 2026*, March 2026, PC member.

2025 : *50th International Conference on Current Trends in Theory and Practice of Computer Science, SOFSEM 2025*, January 2025, PC member.

2025 : *Workshop on Algorithms and Computation, WALCOM 2025*, Feb.-March 2025, PC member.

2024 : *IEEE Pacific Visualization Symposium, PacificVis 2024*, Apr. 2024, PC member.

2024 : *Workshop on Algorithms and Computation, WALCOM 2024*, Feb. 2024, PC member.

2023 : *IEEE Pacific Visualization Symposium, PacificVis 2023*, Apr. 2023, PC member.

2023 : *48th International Conference on Current Trends in Theory and Practice of Computer Science, SOFSEM 2023*, January 2023, PC member.

2022 : *IEEE Pacific Visualization Symposium, PacificVis 2022*, Apr. 2022, PC member.

2022 : *Workshop on Algorithms and Computation, WALCOM 2022*, Feb. 2022, PC member.

2021 : *International Symposium on Graph drawing and Network Visualization, GD 2021*, Sept. 2021, PC member.

2021 : *Workshop on Algorithms and Computation, WALCOM 2021*, Feb. 2021, PC member.

2020 : *Workshop on Graph-theoretic Concepts in Computer Science, WG 2020*, June 2020, PC member.

2020 : *IEEE Pacific Visualization Symposium, PacificVis 2020*, Apr. 2020, PC member.

- 2020 : *Workshop on Algorithms and Computation, WALCOM 2020*, Feb. 2020, PC member.
- 2019 : *IEEE Pacific Visualization Symposium, PacificVis 2019*, Apr. 2019, PC member.
- 2019 : *Workshop on Algorithms and Computation, WALCOM 2019*, Feb. 2019, PC member.
- 2018 : *International Workshop on Visual Analytics for Big Networks (BigNet)*, Dec. 2018, PC member.
- 2018 : *Symposium on Experimental Algorithms, SEA 2018*, July 2018, PC member.
- 2018 : *IEEE Pacific Visualization Symposium, PacificVis 2018*, Apr. 2018, PC member.
- 2018 : *Workshop on Algorithms and Computation, WALCOM 2018*, Feb. 2018, PC member.
- 2017 : *Workshop on Algorithms and Computation, WALCOM 2017*, Feb. 2017, PC member.
- 2016 : *27th International Symposium on Algorithms and Computation, ISAAC 2016*, December 2016, PC member.
- 2016 : *32nd European Workshop on Computational Geometry, EuroCG 2016*, March-April 2016, PC member.
- 2016 : *IEEE Pacific Visualization 2016 conference, PacificVis 2016*, April 2016, PC member.
- 2015 : *International Conference on Information, Intelligence, Systems and Applications, IISA 2015*, July 2015, PC member.
- 2015 : *IEEE Pacific Visualization Symposium*, March 2015, PC member.
- 2015 : *Workshop on Algorithms and Computation, WALCOM 2015*, Feb. 2015, PC member.
- 2014 : *International Conference on Information, Intelligence, Systems and Applications, IISA 2014*, July 2014, PC member.
- 2014 : *Symposium on Graph Drawing, GD 2014*, Sept. 2014, PC member.
- 2014 : *IEEE Pacific Visualization Symposium*, March 2014, PC member.
- 2014 : *Workshop on Algorithms and Computation, WALCOM 2014*, Feb. 2014, PC member.
- 2012 : *Workshop on Algorithms and Computation, WALCOM 2012*, Feb. 2012, PC member.

- 2011 : *ACM Conference on Information and Knowledge Management, CIKM 2011*. October 2011, PC member.
- 2011 : *22nd International Symposium on Algorithms and Computation, ISAAC 2011*, December 2011, PC member.
- 2010 : *Symposium on Graph Drawing, GD 2010*, Sept. 2010, PC member.
- 2010 : *IEEE Pacific Visualization Symposium*, April 2010, PC member.
- 2010 : *Workshop on Algorithms and Computation, WALCOM 2010*, Feb. 2010, PC member.
- 2009 : *Symposium on Graph Drawing, GD 2009*, Sept. 2009, PC member.
- 2009 : *Computer Graphics and Visualization, CGV2009*, July 2009, PC member.
- 2009 : *IEEE Pacific Visualization Symposium*, April 2009, PC member.
- 2008 : *19th International Symposium on Algorithms and Computation, ISAAC 2008*, Dec. 2008, PC member.
- 2008 : *Workshop on Algorithms and Computation, WALCOM 2008*, Feb. 2008, PC member.
- 2007 : *Symposium on Graph Drawing, GD 2007*, Sept. 2007, PC member.
- 2007 : *Computer Graphics and Visualization, CGV2007*, July 2007, PC member.
- 2005 : *Symposium on Graph Drawing, GD 2005*, Sept. 2005, PC member.
- 2005 : *Annual Conference on Current Trends in Theory and Practice of Informatics, SOFSEM 2005*, January 2005, PC member.
- 2004 : *European Symposium on Algorithms, ESA 2004*, Sept. 2004, PC member.
- 2004 : *Symposium on Graph Drawing, GD 2004*, Sept. 2004, PC member.
- 2003 : *Symposium on Graph Drawing, GD 2003*, Sept. 2003, PC-chair.
- 2002 : *Symposium on Graph Drawing, GD 2002*, August 2002, PC member.
- 2001 : *Workshop on Algorithms and Data Structures, WADS 2001*, August 2001, PC member.
- 2001 : *Symposium on Graph Drawing, GD 2001*, September 2001, PC member.
- 2000 : *Symposium on Graph Drawing, GD 2000*, September 2000, PC member.
- 1998 : *Symposium on Graph Drawing, GD 1998*, August 1998, PC member and organizing committee member.

Ph.D. Advising

Current Ph.D Students

- Ayesha Sahukat (M.Sc. 2021) currently working on the visual analysis of bitcoin transactions.

Former Ph.D Students

- Tommaso Piselli (M.Sc. 2022), recently completed his PhD thesis and will defend it in the next two months.
- Giacomo Ortali (M.Sc. 2018), Year of Ph.D.: 2022, currently a post-doc at the University of Perugia.
- Daniele Pagliuca. Year of Ph.D.: 2020, currently a data scientist at the European Commission, Directorate-General for Communications Networks, Content and Technology, Luxembourg.
- Alessandra Tappini. Year of Ph.D.: 2020, currently an assistant professor at the University of Perugia.
- Felice De Luca. Year of Ph.D.: 2018, currently a research scientist at Memento Lab Abu Dhabi, working in cybersecurity.
- Alessio Arleo. Year of Ph.D.: 2018, currently an assistant professor at Eindhoven University of Technology, The Netherlands.
- Fabrizio Montecchiani. Year of Ph.D.: 2014, currently an associate professor (with habilitation to full professor) at the University of Perugia.
- Salvatore A. Romeo. Year of Ph.D.: 2012, currently a software consultant.
- Pietro Palladino. Year of Ph.D.: 2010, currently a high school teacher and a software consultant.
- Francesco Trotta. Year of Ph.D.: 2008, currently a machine learning solution architect at AGS S.p.A. in Milan.
- Francesco Giordano. Year of Ph.D.: 2008, currently an enterprise and solution architect at Banca Mediolanum in Milan.
- Luca Grilli. Year of Ph.D.: 2007, currently a tenured lecturer (with habilitation to associate professor) at the University of Perugia.
- Emilio di Giacomo. Year of Ph.D.: 2003, currently an associate professor (with habilitation to full professor) at the University of Perugia.
- Carla Binucci. Year of Ph.D.: 2002, currently a tenured lecturer (with habilitation to associate professor) at the University of Perugia.

Teaching

- 2001 - present: Database Management Systems (advanced undergraduate level).
- 2004 - present: Models and Algorithms for Data Visualization (graduate level).
- 1998 - 2006 : Introduction to Object Oriented Programming (undergraduate level).
- 1998 - 2008 : Algorithms and Data Structures (advanced undergraduate level).
- 2000 -2001 : Introduction to Digital Systems (undergraduate level).
- 1996 - 1998 : Computer Architectures (advanced undergraduate level).
- 1996 - 1997 : Data Structures and Programming (undergraduate level).

Technology Transfer

- 2017 - 2020: Vice-president of the *Umbria Digital Innovation Hub*, a body of the Industrial Association that implements the Industry 4.0 Program promoted by the Italian Government.
- 2009 - 2015: President and co-founder of *VIS4 s.r.l.*, a spin-off company of the University of Perugia in the area of algorithm engineering and information visualization. The company has been successfully sold in 2015.

Awards and Honors

- 2024 : Best paper award at GD 2024 for the paper GraphTrials: Visual Proofs of Graph Properties (with co-authors)
- 2023 : Appointed as a member of the *Graph Drawing Advisory board* The GD Advisory Board membership is considered “an exceptional honor to persons who have contributed very substantially to the development of the Graph Drawing field” (see <http://www.graphdrawing.org>).
- 2008 : AIP (Italian ICT Professionals) “Fibonacci Prize” for the research achievements in visual analytics.
- 2005 : ACM service award.
- 1995 : EATCS award for the best Ph.D. thesis on theoretical computer science in Italy for the years 1994 and 1995.

Consulting

- 2019 -- 2023 : Confindustria: Head of the scientific committee for the design of ITS courses on Digital Technologies.
- 2016 : Umbria Region: Member of the scientific committee for the public selection of part-time employees of the Umbria Region (CTSPRA), as specified in the DGR 178-2016.
- 2013-14 : Ministry of Environment of Italy, President of the Testing Committee of the SISTRI Platform.
- 2013 : Umbria Region, Member of the Scientific Committee for the *Umbrian Digital Agenda (Agenda Digitale dell'Umbria)*.
- 2011 : Huddle, London. Information analysis for the automatic detection of experts and interested users in Huddle.
- 2011 : Benetton Group. Design of a HCI system to edit movies on moving screens.
- 2009 - 2014 : Central Bank of S. Marino. Analysis and design of a fraud detection system.
- 2006 - 2016 : Umbria Region, Italy. Member of the executive committee for the adoption of open source software in the Public Administration (CCOS).
- 2006 - 2014 : Sintesi Industries s.r.l., Perugia, Italy. Design of a diagrammatic interface for reverse engineering applications.
- 2007 - 2009 : Italian Government. National Testing Committee of the Italian Public Connectivity System (SPC-CNIPA).
- 2004 : Senate of the Italian Republic (Senato della Repubblica Italiana), Italian Government. Member of a committee for the selection of qualified personnel for the computer science division of the Italian Senate.
- 2003 - 2005 : Angelantoni Industries s.r.l., Perugia, Italy. Automation of robotic systems to store and access bio-medical data and materials.
- 2003 : Province of Perugia, Perugia, Italy. Member of the committee for testing and validating the COM-NET-UMBRIA network.
- 2001 : Società Villa Umbra, Perugia, Italy. Responsible for the design of courses on computer science for public employees.
- 1999 : School of Public Administration of the Italian Government (Scuola della Pubblica Amministrazione Italiana), Rome, Italy. Courses on models and methodologies for information systems design.

LIST OF PUBLICATIONS

[EBP] Edited Books and Proceedings

- [EBP-6] Chun-Cheng Lin, Bertrand M. T. Lin, Giuseppe Liotta, eds. *WALCOM: Algorithms and Computation - 17th International Conference and Workshops, Proceedings*. Lecture Notes in Computer Science, vol. 13973, Springer 2023.
- [EBP-5] G. Liotta, R. Tamassia, I.G. Tollis, eds., “Graph Algorithms and Applications 5,” World Scientific Publishing Co., 2006.
- [EBP-4] G. Liotta, R. Tamassia, I.G. Tollis, eds., “Graph Algorithms and Applications 4,” World Scientific Publishing Co., 2006.
- [EBP-3] G. Liotta, R. Tamassia, I.G. Tollis, eds., “Graph Algorithms and Applications 3,” World Scientific Publishing Co., 2004.
- [EBP-2] G. Liotta, R. Tamassia, I.G. Tollis, eds., “Graph Algorithms and Applications 2,” World Scientific Publishing Co., 2004.
- [EBP-1] G. Liotta ed., “Graph Drawing,” *Proceedings of the Symposium on Graph Drawing, GD '03*, Lecture Notes in Computer Science, vol. 2912, Springer 2003.

[ESI] Edited Special Issues

- [ESI-5] W. Didimo and G. Liotta, “Special Issue on the 28th European Workshop on Computational Geometry,” *Computational Geometry: Theory and Applications*, Vol. 47, no. 3, 2014.
- [ESI-4] G. Liotta and H. Meijer, “Special Issue on Graph Drawing Guest Editors’ Foreword,” *Discrete Applied Mathematics*, Vol. 155, no. 9, 2007.
- [ESI-3] G. Liotta, “Special Issue on Selected Papers from the Eleventh International Symposium on Graph Drawing, GD 2003 Guest Editor’s Foreword,” *Journal of Graph Algorithms and Applications*, Vol. 9, no. 1, pp. 3-5, 2005.
- [ESI-2] G. Liotta and I.G. Tollis, “Advances in Graph Algorithms: Special Issue on Selected Papers from the Workshop on Algorithms and Data Structures WADS 2001, Guest Editors’ Foreword,” *Journal of Graph Algorithms and Applications*, vol. 7, no. 2, pp. 101-103, 2003.
- [ESI-1] G. Liotta and S.H. Whitesides, “Advances in Graph Drawing: Special Issue on Selected Papers from the Sixth International Symposium on Graph Drawing GD’98, Guest Editors’ Foreword,” *Journal of Graph Algorithms and Applications*, Vol. 4, no. 3, pp. 1-3, 2000.

[BC] **Book Chapters**

- [BC-9] G. Liotta, F. Montecchiani “Edge Partitions and Visibility Representations of 1-planar Graphs,” *Beyond Planar Graphs*, Springer Nature Singapore Pte Ltd., Chapter 6, 2020.
- [BC-8] G. Liotta, “Proximity Drawings,” *Handbook of Graph Drawing and Visualization*, R. Tamassia editor, CRC Press, pp. 115–146, 2013.
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