Curriculum vitae

Marco Lippi

Date of birth: May 23rd, 1983.
Place of birth: Pistoia (PT), Italy.
Citizenship: Italian.
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Education

- Ph.D. in Computer and Automation Engineering (Computer Science curriculum), University of Florence, January 2007 - December 2009. Title obtained on March 22nd, 2010.
  - Thesis title: Statistical Learning for Relational and Structured Data.
  - *Committee evaluation: excellent*.
- Qualifying examination for Professional Practice as Computer Science Engineer, January 2007.
- Master Degree in Computer Science Engineering, University of Florence, September 2006.
  - Thesis: Automatic crossword resolution by semantic filtering (Risoluzione automatica di cruciverba con l'ausilio di un filtro semantico).
  - *Final mark: 110/110, cum laude et encomio*.
- Bachelor Degree in Computer Science Engineering, University of Florence, September 2004.
  - Thesis: Multi-class prediction of cysteine bonding state by Support Vector Machines (Predizione multiclasse mediante Support Vector Machines dei legami che coinvolgono cisteine).
  - *Final mark: 110/110, cum laude*.
- High School Diploma, Liceo Scientifico Amedeo di Savoia Duca d'Aosta, Pistoia (PT), 2001.
  - *Final mark: 100/100*.

Academic experiences

University of Modena and Reggio Emilia, Department of Sciences and Methods for Engineering

- November 2016 – today — Assistant professor with tenure-track (ricercatore a tempo determinato – tipologia B) in Computer Engineering

University of Bologna, Department of Computer Science and Engineering

- November 2014 – October 2016 — Post-doc fellow (assegnista di ricerca) within the programme "Argumentation techniques for opinion mining and social network analysis" (ref. Prof. Paolo Torroni).

Laboratoire d'Informatique de Paris 6, Université Pierre & Marie Curie (LIP6-UPMC), Paris

- March 2014 – June 2014 — Visiting scholar within the research group headed by Prof. Patrick Gallinari.

University of Siena, Department of Information Engineering[1]

- November 2012 – October 2014 — Post-doc fellow (assegnista di ricerca) for the DVA Project (Developmental Visual Agents) (ref. Prof. Marco Gori) co-funded by Tuscany region within POR-CRO FSE 2007-2013 funding programme.
- August 2011 – August 2012 — Research scolarship as "Ricercatore in azienda" ("researcher in a company") funded by Fondazione Monte dei Paschi di Siena and Provincia di Siena for research activities within the Deparment of Informatics Engineering (ref. Prof. Marco Gori) and QuestIT s.r.l. (ref. Marco Ernandes), spin-off of University of Siena.
- March 2011 – July 2011 — Collaborator (co.co.co.) within the programme "Learning from constraints" (ref. Prof. Marco Gori).

University of Florence, Department of Systems and Computer Science

- March 2010 – February 2011 — Post-doc fellow (assegnista di ricerca) within the programme "Logic-probabilistic learning" (ref. Prof. Paolo Frasconi).
- January 2010 — Collaborator for the project "Development of statistical relational learning algorithms for traffic flow forecasting" (ref. Prof. Paolo Frasconi)
- May 2009 – November 2009 — Collaborator (co.co.co.) for the project "Development of statistical relational learning algorithms for traffic flow forecasting"

Teaching experiences

University of Bologna, Department of Computer Science and Engineering

- Lecturer for the "Machine Learning" course (20 hours) in the PhD Program in Computer Science and Engineering, April 2016.
- Lecturer for the pre-course "Basics of Computer Programming for Automation Engineering", for students that will attend the 1st year degree in "Automation Engineering" — A.A. 2015/2016, 2016/2017.
- Tutor for the course "Reti Logiche T" (Digital circuits), 1st year degree in Computer Engineering, by Dott. Federico Tombari — A.A. 2014/2015, 2015/2016.
- Tutor for the course "Fondamenti di Informatica T-1" (Foundations of computer science), 1st year degree in Computer Engineering, by Proff. Paola Mello e Federico Chesani — A.A. 2015/2016, 2016/2017.
- Guest Lecturer per il corso "Sistemi Intelligenti M", primo anno del Corso di Laurea Magistrale in Ingegneria Informatica, tenuto dalla Prof.ssa Michela Milano — A.A. 2014/2015, 2015/2016.

[1] From January 2014 Department of Information Engineering and Mathematical Sciences.

University of Siena, Department of Information Engineering[2]

- Guest lecturer for the Machine Learning course held by Prof. Marco Gori — Academic years 2011/2012, 2012/2013, 2013/2014.

University of Florence, Department of Systems and Computer Science

- Guest lecturer for the Machine Learning course held by Prof. Paolo Frasconi — Academic year 2009/2010.
- Teaching assistant for the Artificial Intelligence course held by Prof. Giovanni Soda — Academic years 2006/2007, 2007/2008, 2008/2009, 2009/2010.
- Teacher for the continuing education course "SQL e MySQL" at C.S.I.A.F. (Centro Servizi Informatici Ateneo Fiorentino), 24 hours, October 2009
- Co-supervisor of several Bachelor and Master Degree thesis in Computer Engineering, in the fields of Artificial Intelligence and Machine Learning

Qualifications

- Italian National Scientific Qualification for the role of Associate Professor in Computer Engineering (09/H1 – Sistemi di Elaborazione delle Informazioni) on January 23rd, 2015.
- Qualified for the public competition as a third-level researcher (idoneità conseguita come ricercatore III livello) at the National Research Council (CNR), scientific area "Computer sciences and information engineering", Strategic asset "Bioinformatics", work theme "Models, efficient algorithms and software for the analysis and visualization of large biologic data bases". Ref. CNR competition 364.95.

Research

Main interests

- Machine learning and artificial intelligence: statistical relational models and probabilistic logic models. Integration of graphical models (Markov networks and Bayesian networks) with the first-order logic formalism.
- Markov logic as a statistical relational learning framework: integration with artificial neural networks.
- Argumentation mining from textual and multimedial data.
- Intelligent systems for the analysis and modeling of transportation networks: traffic flow forecasting with statistical relational learning algorithms and seasonal models.
- Bioinformatics: protein three-dimensional structure prediction (metal binding sites and contact maps) with relational models combined with neural networks; RNA secondary structure prediction with stochastic grammars and probabilistic-logic models.
- Inductive logic programming: algorithms for literal evaluation within learning of logic clauses.

[2] From January 2014 Department of Information Engineering and Mathematical Sciences.

- Computational linguistics and natural language processing with stochastic grammars. Text disambiguation with semantic analysis.
- Computational finance: machine learning methods for stock market prediction.
- Efficient algorithms for heuristic search.
- Computer vision: algorithms and models for object detection and action recognition within images and videos.
- Computational game theory and opponent modeling problems.

Projects

- Collaboration with University of Siena, in the context of Master Degree thesis, within the WebCrow project (2006) for the automatic resolution of crosswords (http://webcrow.dii.unisi.it). Project sponsored by a Google Research Grant.
- Participation in the European project BIOPTRAIN (*Bioinformatics Optimization Training*), funded by 6th Framework Programme (2007–2009), for the development of optimization and machine learning algorithms applied to bioinformatics.
- Participation in the SSAMM project (*Strumenti di supporto per l'agenzia per la mobilità metropolitana*, *Support instruments for the metropolitan mobility agency*) at the University of Florence, in collaboration with Provincia di Firenze, Provincia di Pistoia and Provincia di Prato (2009–2010): analysis of traffic flow data in the metropolitan area, design and development of traffic flow predictors.
- Participation in the MARLOWE/WhatsOn project (*Market Analysis Using Relational Learning Over the WEb*) within QuestIT s.r.l., spin-off of the University of Siena for the design and development of monitoring systems for the reputation of brands, products or people, using WEb 2.0 technologies (www3.diism.unisi.it/∼lippi/Marlowe). The project has been presented at Telecom Italia Working Capital, in the elevator pitch of July 5th, 2011, in Florence.
- Participation in the DETECTO project (*OCR for document analysis*) within QuestIT s.r.l., spin-off of the University of Siena for the design and development of automatic systems for the analysis and interpretation of structured documents (2011 – today). The project has been funded by a post-doc scolarship by Fondazione Monte dei Paschi di Siena e dalla Provincia di Siena.
- Participation in the PRIN project *Learning Techniques in Relational Domains and Their Applications*, within the University of Florence and Siena units, in the area of machine learning in relational domains (2011 – 2013).
- Participation in the DVA project *Developmental Vision Agents*, co-funded by Tuscany region within the programme POR-CRO FSE 2007-2013, at the University of Siena.
- Participation in the FIRB 2013 project proposal *Ribomaps: learning transductional regulation mechanisms with computer science techniques*, as Unit Coordinator. Principal Investigator: Dr. Andrea Passerini, Department of Computer Science and Engineering, University of Trento. The project, despite obtaining a 8.67/10 score in the pre-selection phase, has not been admitted to the second round evaluation due to the funding limitation constraints.
- Participation in the FP7 STREP e-Policy (http://www.epolicy-project.eu/) as a researcher, for the development of techniques for Governance and Policy Modeling based on Information e Communication Technology systems.

Collaboration with other National and International Institutes and Research Groups

- Department of Computer Science and Engineering, University of Trento, Italy. Collaboration with Dr. Andrea Passerini within relational machine learning, with bioinformatics applications (2007 – today).
- Department of Biochemistry and Molecular Biophysics at Columbia University, New York, USA. Collaboration with the research group headed by Prof. Burkhard Rost for the prediction of metal binding sites within proteins (2007 – 2011).
- Machine Intelligence Group, Department of Computer Science, Aalborg University, Denmark. Collaboration with Prof. Manfred Jaeger in the area of inductive logic programming and logic representations of knowledge base (2009 – today). Visiting Aalborg University in February 2009.
- Department of Information System Engineering, Ben-Gurion University, Israel. Collaboration with Prof. Ariel Felner for the implementation of efficient heuristic search algorithms (2011 – today).

Partecipation to doctorate courses and schools

- Bertinoro International Spring School 2008 (BISS 2008), March 2-14, 2008. Courses: Fault Tolerance in Distributed Systems, Context-Aware Databases, Theory of Computational Complexity, Machine Learning.
- Computational Genomics Course (University of Padova), held by Prof. Nello Cristianini (University of Bristol), April 16-20, 2007. Foundations of Computational Genomics: DNA analysis, software and databases for genomics and molecular biology.
- Elements of Bioinformatics (University of Florence), held by Prof. Pietro Liò (University of Cambridge), October 15-24, 2006. Machine learning for bioinformatics, foundations of molecular biology.

Publications

Journal publications

J16. Lippi, M., Torroni, P. (2016), MARGOT: a Web Server for Argumentation Mining, *Expert Systems with Applications*, 65: 292–303, 2016.

J15. Lippi, M., Ernandes, M., Felner, A. (2016). Optimally sorting permutations with efficient partial expansion bidirectional heuristic search, *AI Communications*, 29(4): 513–536, 2016.

J14. Gori, M., Lippi, M., Maggini, M., Melacci, S. (2016). Semantic Video Labeling with Developmental Visual Agents. *Computer Vision and Image Understanding*, 146: 9 –26.

J13. Lippi, M., Torroni, P. (2016). Argumentation Mining: State-of-the-Art and Emerging Trends. *ACM Transactions on Internet Technology*, 16(2), 10:1–10:25.

J12. Lippi, M., (2015). Statistical Relational Learning for Game Theory. *IEEE Transactions on Computational Intelligence and AI in Games*, 99: 1–12.

J11. Frasconi, P., Gabbrielli, F., Lippi, M., Marinai, S. (2014). Markov Logic Networks for Optical Chemical Structure Recognition. *Journal of Chemical Information and Modeling*, 54 (8) :2380–2390.

J10. Jaeger, M., Lippi, M., Passerini, A., Frasconi, P. (2013). Type Extension Trees for feature construction and learning in relational domains. *Artificial Intelligence*, 204: 30–55.

J9. Lippi, M., Bertini, M., Frasconi, P. (2013). Short-Term Traffic Flow Forecasting: An Experimental Comparison of Time-Series Analysis and Supervised Learning. *IEEE Transactions on Intelligent Transportation Systems*, 99: 1–12.

J8. Passerini, A., Lippi, M., Frasconi, P. (2012). Predicting Metal Binding Sites from Protein Sequence. *IEEE Transactions on Computational Biology and Bioinformatics*, 9(1): 203–213.

J7. Menconi, L., Gori, M., Lippi, M., (2011). Computational models for short-term prediction of the stock market. *Intelligenza Artificiale*, 5(2): 217–227.

J6. Shi, W., Punta, M., Bohon, J., Sauder, M., D'Mello, R., Sullivan, M., Toomey J., Abel, D., Frasconi P., Lippi M., Passerini A., Burley S., Rost B. and Chance, M. (2011). Characterization of Metalloproteins by High-Throughput X-ray Absorption Spectroscopy in Structural Genomics. *Genome Research*, 21: 898-907.

J5. Passerini, A., Lippi, M., Frasconi P. (2011) MetalDetector v2.0: predicting the geometry of metal binding sites from protein sequence. *Nucleic Acid Research, Web Server Special Issue*, 39 (suppl 2): W288-W292.

J4. Lippi, M., Jaeger, M., Frasconi, P., Passerini, A. (2010). Relational information gain, *Machine Learning Journal*, 83(2): 219-239.

J3. Lippi, M., Frasconi, P. (2009). Prediction of Protein Beta-Residue Contacts by Markov Logic Networks with Grounding Specific Weights. *Bioinformatics* 25(18):2326-2333.

J2. Costa, F., Passerini, A., Lippi, M., and Frasconi, P. (2009). A Semiparametric Generative Model for Efficient Structured-Output Supervised Learning. *Annals of Mathematics and Artificial Intelligence* 54(1-3):207-222. Special issue on Probabilistic Relational Learning.

J1. Lippi, M., Passerini, A., Punta, M., Rost, B., and Frasconi, P. (2008). MetalDetector: a web server for predicting metal binding sites and disulfide bridges in proteins from sequence. *Bioinformatics* 24(18):2094-2095.

Conference and workshop publications

C20. Lippi, M., Sarti, P., Torroni, P. (2016). Argumentative Ranking, *Natural Language Processing meets Journalism (IJCAI 2016 Workshop)*, New York, 2016.

C19. Lippi, M., Ernandes, M., Felner, A. (2016). Optimally sorting permutations with efficient partial expansion bidirectional heuristic search (extended abstract), *Symposium on Combinatorial Search (SoCS)*, Tarrytown, USA, 2016.

C18. Kiziltan, Z., Lippi, M., Torroni, P., (2016). Constraint Detection in Natural Language Problem Descriptions. *International Joint Conference on Artificial Intelligence (IJCAI)*, New York, USA, 2016.

C17. Lippi, M., Torroni, P., (2016). Argument Mining from Speech: Detecting Claims in Political Debates. *American Conference on Artificial Intelligence (AAAI)*, Phoenix, Arizona, USA, 2016.

C16. Lippi, M., Torroni, P., (2015). Context-Independent Claim Detection for Argument Mining. *International Joint Conference on Artificial Intelligence (IJCAI)*, Buenos Aires, Argentina, 2015.

C15. Lippi, M., Torroni, P., (2015). Argumentation Mining: a Machine Learning Perspective. *International Workshop on Theory and Applications of Formal Argumentation (TAFA)*, Buenos Aires, Argentina, 2015.

C14. Gori, M., Lippi, M., Maggini, M., Melacci, S., Pelillo, M. (2015). En Plein Air Visual Agents. *International Conference on Image Analysis and Processing (ICIAP)*, Genova, 2015.

C13. Gori, M., Lippi, M., Melacci, S., Maggini, M., (2014). On-line Video Motion Estimation by Invariant Receptive Inputs. *Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition (CVPR) Workshops, Long Term Detection and Tracking (LTDT) workshop*, Columbus, OH, 2014.

C12. Melacci, S., Lippi, M., Gori, M., Maggini, M., (2013). Information-based learning of deep architectures for feature extraction. *International Conference on Image Analysis and Processing (ICIAP)*, Napoli, 2013.

C11. Frandina, S., Gori, M., Lippi, M., Maggini, M., Melacci, S., (2013). Inference, Learning, and Laws of Nature. *International Workshop on Neural-Symbolic Learning and Reasoning (NeSy)*, Beijing, 2013.

C10. Frandina, S., Gori, M., Lippi, M., Maggini, M., Melacci, S., (2013). Variational Foundations of Online Backpropagation. *International Conference on Artificial Neural Networks (ICANN)*, Sofia, 2013.

C9. Frandina, S., Lippi, M., Maggini, M., Melacci, S., (2013). On-line Laplacian One-Class Support Vector Machines. *International Conference on Artificial Neural Networks (ICANN)*, Sofia, 2013.

C8. Gori, M., Melacci, S., Lippi, M., Maggini, M., (2012). Information theoretic learning for pixel-based visual agents. *European Conference on Computer Vision (ECCV)*, Firenze, 2012.

C7. Lippi, M., Passerini, M., Punta, M., Frasconi, P. (2012). Metal binding in proteins: machine learning complements X-ray absorption spectroscopy. *European Conference on Machine Learning (ECML)*, Bristol, 2012.

C6. Lippi, M., Ernandes, M., Felner, A., (2012) Efficient single frontier bidirectional search. *Symposium on Combinatorial Search (SoCS)*, Niagara Falls, 2012.

C5. Lippi, M., Menconi, L., Gori, M., (2012) Balancing recall and precision in stock market predictors using support vector machines. *Italian Workshop on Neural Networks (WIRN)*, Vietri sul Mare, 2012.

C4. Lippi, M., Bertini, M., Frasconi, P., (2010). Collective traffic forecasting. *European Conference on Machine Learning (ECML)*, Barcelona, 2010.

C3. Lippi, M., Frasconi P. (2009). Markov Logic improves protein β-partners prediction. *6th International Workshop on Mining and Learning with Graphs (MLG)*, Helsinki, 2008.

C2. Lippi, M., Jaeger, M., Frasconi, P., Passerini, A. (2009). Relational information gain. *19th International Conference on Inductive Logic Programming (ILP)*, Leuven, 2009.

C1. Lippi, M., Popenda, L., Frasconi, P. (2009). RNA secondary structure prediction by mapping Zuker's algorithm into Markov logic. *Bio-Logical 2009, Satellite Workshop of the XI Conference of the Italian Association for Artificial Intelligence (AI*IA)*, Reggio Emilia, 2009.

Other conferences and workshop presentations

- Statistical learning for relational and structured data, *Italian Workshop on Neural Networks* (WIRN), invited talk for E. Caianiello award, Vietri sul Mare, 2012.
- Long-term traffic forecasting: challenges and opportunities for Statistical Relational Learning, 4^{th} *Spring Workshop on Mining and Learning (SML 2010)*, Jakobsburg, 2010.
- Beta-partners prediction using Markov Logic Networks with grounding-specific weights, 5^{th} *BIOP-TRAIN workshop*, Firenze, 2009.

Seminars and invited talks

- *Context-independent argumentation mining*, invited talk at 15th Workshop on Computational Models of Natural Argument (CMNA), October 26th, 2015.
- *An introduction to deep learning*, two seminars at the Department of Mathematics, University of Bologna, October 2015.
- *Learning to see like children, LIP6*, Université Pierre et Marie Curie, Parigi, March 2014.
- *Learning to see like babies*, IMT Institute for Advanced Studies, Lucca, February 2014.
- *Statistical learning for relational data*, Italian Workshop on Neural Networks (WIRN), for the "E. Caianiello" award for the best PhD thesis in the field of neural networks, Vietri sul Mare, May 2012.
- *Markov logic applications*, University of Siena, February 2011.
- *Double-state node heuristic search*, University of Siena, January 2009.

Academic and industrial software

- Server web *Metal Detector* (http://metaldetector.dsi.unifi.it/), for metal binding sites prediction in proteins.
- Implementation of *grounding-specific Markov logic Networks* (http://www3.dii.unisi.it/∼lippi/gsmln), as an extension of Alchemy software (http://alchemy.cs.washington.edu).
- Efficient single frontier bidirectional search (http://www3.diism.unisi.it/ lippi/research/eSBS.tgz), a fast algorithm for heuristic search in puzzles and maps.
- Type Extension Trees (http://www3.diism.unisi.it/ lippi/research/TET.html) for feature extraction in relational models.
- DETECTO system for the automatic extraction of information from structured documents (in collaboration with QuestIT s.r.l., http://www.quest-it.com/?p=29)
- FCIO system for Fast Checkin/Checkout in hotels (in collaboration with QuestIT s.r.l., http://www.quest-it.com/fcio/)
- Developmental Visual Agents *DVA* for semantic video labeling. (http://dva.diism.unisi.it)
- Server web *MLOCSR* per il riconoscimento di immagini molecolari. (http://mlocsr.dinfo.unifi.it)

Professional Activities

- Editor:
  - Guest co-editor for the Special Session "Argumentation in Social Media" on the ACM Transactions on Internet Technology, with Paolo Torroni (University of Bologna) and Iryna Gurevych (Technische Universität Darmstadt), to be published in January 2017.
- Conference and workshop organization:

  - Member of the Local Committee for MLG 2007 — 5th International Workshop on Mining and Learning with Graphs.
  - Member of the Local Committee for ILP 2010 — 20th International Conference on Inductive Logic Programming, Firenze.
  - Proceedings Chair per European Conference on Machine Learning (ECML 2016, Riva del Garda).
  - Member of the Program Committee for HCINLE 2009 workshop (Invited Session: Human-Computer Interaction in Natural Language Environment — 2nd KES International Symposium on Intelligent Interactive Multimedia Systems and Services).
  - Member of the Program Committee for International Joint Conference on Artificial Intelligence (IJCAI 2011, Barcellona).
  - Member of the Program Committee for European Conference on Machine Learning (ECML 2012, Bristol).
  - Member of the Program Committee for International Joint Conference on Artificial Intelligence (IJCAI 2013, Beijing).
  - Member of the Program Committee for European Conference on Artificial Intelligence (ECAI 2014, Prague).
  - Member of the Program Committee for Principles and Practice of Multi-Agent Systems (PRIMA 2015, Bertinoro).
  - Member of the Program Committee for International Joint Conference on Artificial Intelligence (IJCAI 2015, Buenos Aires).
  - Member of the Program Committee for AAAI Conference on Artificial Intelligence (AAAI 2016, Phoenix).
  - Member of the Program Committee for International Joint Conference on Artificial Intelligence (IJCAI 2016, New York).

- Partecipation to conferences and workshops as a speaker:
  - Mining and Learning with Graphs (MLG), Helsinki, 2008.
  - BIOPTRAIN workshop, Firenze, 2009.
  - Inductive Logic Programming (ILP), Leuven, 2009.
  - Bio-Logical workshop, Reggio Emilia, 2009.
  - Spring Workshop on Mining and Learning (SML), Jakobsburg, 2010 (poster presentation).
  - European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (ECML/PKDD), Barcelona, 2010.
  - Working Capital Telecom Italia, elevator pitch della tappa di Firenze, 5 luglio 2011.
  - Italian Workshop on Neural Networks (WIRN), Vietri sul Mare, 2012.
  - European Conference on Computer Vision, Firenze, 2012 (poster presentation).
  - International Conference on Image Analysis and Processing (ICIAP), Napoli, 2013 (poster presentation).
  - International Joint Conference on Artificial Intelligence (IJCAI), Buenos Aires, 2015.
  - International Workshop on Theory and Applications of Formal Argument (TAFA), Buenos Aires, 2015.
- Participation to other conferences and workshops:
  - European Conference on Artificial Intelligence (ECAI), Riva del Garda, 2006.

  - Mining and Learning with Graphs (MLG), Firenze, 2007.
  - Joint SIM workshops: Statistical Relational Learning (SRL), Inductive Logic Programming (ILP), Mining and Learning with Graphs (MLG), Leuven, 2009.
  - International Conference on Machine Learning (ICML), Helsinki, 2008.
  - International Conference on Inductive Logic Programming (ILP), Firenze, 2010.

- Reviewer for:
  - Bioinformatics
  - Neurocomputing
  - Neural Networks
  - Neural Processing Letters
  - IEEE Transactions on Neural Networks
  - IEEE Transactions on Intelligent Transportation Systems
  - Journal of Advanced Transportation
  - Pattern Recognition Letters
  - Artificial Intelligence Journal
  - Machine Learning Journal
  - International Joint Conference on Neural Networks (IJCNN), 2013.
  - International Joint Conference on Neural Networks (IJCNN), 2014.
  - International Joint Conference on Neural Networks (IJCNN), 2015.
  - International Conference on Artificial Neural Networks (ICANN), 2009.
  - International Conference on Artificial Neural Networks (ICANN), 2011.
  - International Joint Conference on Artificial Intelligence (IJCAI), 2011.
  - International Joint Conference on Artificial Intelligence (IJCAI), 2013.
  - International Joint Conference on Artificial Intelligence (IJCAI), 2015.
  - European Conference on Artificial Intelligence (ECAI), Montpellier, 2012.
  - European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (ECML/PKDD), 2012.
  - International Conference on Image Analysis and Processing (ICIAP), 2013.

Other working experiences

- Collaborator of Consorzio Platform, Pistoia (PT), for the design and development of web applications and management software.
- Teacher for the refresher course for high school teachers “Introduction to object programming and Delphi 7” at Liceo Scientifico "Amedeo di Savoia duca d’Aosta", Pistoia (PT), 30 hours, October 2007 – January 2008
- Teacher for the refresher course for high school teachers “Introduction to logic” at Cisl Pistoia, 4 hours, October 2012.

Awards

- "E. Caianiello" award (2012) for the best Italian Ph.D. thesis in the field of neural networks. Awarded by Società Italiana REti Neuroniche (SIREN).
- Special mention for the "Marco Cadoli" award (2010) for Ph.D. thesis in Artificial Intelligence. Awarded by Associazione Italiana di Intelligenza Artificiale (AI*IA).

Technical skills

- *Programming languages:* C, C++, Java, HTML, Php, Javascript, Matlab, Delphi, Python (cenni).
- *Operating systems:* Windows, Linux, Mac OSX.
- *DBMS:* Access, MySQL, PostgreSQL.
- *Other application software:* LaTeX, Microsoft Office, Open Office.

Dichiarazione sostitutiva ai sensi dell'art. 46 del DPR n. 445 del 28/12/2000. Consapevole delle sanzioni penali, nel caso di dichiarazioni non veritiere, di formazione o uso di atti falsi, richiamate dall'art. 76 del D.P.R. 445/2000, dichiaro, ai sensi degli art. 46 e 47 del D.P.R. 445/2000, che quanto sopra corrisponde a verità. Ai sensi del D.Lgs n.196 del 30/06/2003 dichiaro, altresì, di essere informato che i dati personali raccolti saranno trattati, anche con strumenti informatici, esclusivamente nell'ambito del procedimento per il quale la presente dichiarazione viene resa e che al riguardo competono al sottoscritto tutti i diritti previsti all'art. 7 della medesima legge.

Poggio a Caiano, December 6th, 2016

Marco Lippi