

PERSONAL INFORMATION

Stefano Teso



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Sex Male | Date of birth 17/09/1983 | Nationality Italian

WORK EXPERIENCE

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- 2018-2019 **Teaching Assistant**
Of a machine learning course, master degree in AI, KU Leuven.
- 2017-2018 **Teaching Assistant**
Of a machine learning course, master degree in AI, KU Leuven.
- 2017- **Post-doc researcher**
Department of Computer Science, KU Leuven, Leuven, Belgium; at Declarative Languages and Artificial Intelligence group
- On the "Synthesizing Inductive Models" ERC project, especially on the topics of learning constraints and optimization models from examples and intelligent spreadsheet autocompletion.
- 2015-2017 **Post-doc researcher**
At the Deep and Structured Machine Learning Group
Department of Information Engineering and Computer Science
University of Trento, Trento, Italy
Under the supervision of prof. Andrea Passerini
- Main contributor of the "The Trentino Knowledge Base" CARITRO project, focused on the development of mining and decision support methods for administrative linked and open data.
- 2015-2016 **Teacher**
Of a course on Scientific Programming for master students in Quantitative and Computational Biology.
Centre for Integrative Biology (CIBIO), University of Trento, Italy
- 2015-2016 **Teaching Assistant**
Of a course on Computer Science for biotechnologists.
Centre for Integrative Biology (CIBIO), University of Trento, Italy
- 2014-2015 **Post-doc researcher**
At the Data and Knowledge Management Unit
Fondazione Bruno Kessler, Trento, Italy
Under the supervision of prof. Luciano Serafini
- Research and development of statistical-relational reasoning methods on large knowledge

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bases

- 2014-2015 **Teaching Assistant**
 Of a course on Computer Science for biotechnologists.
 Centre for Integrative Biology (CIBIO), University of Trento, Italy
- 2013-2014 **Teaching Assistant**
 Of a course on Computer Science for biotechnologists.
 Centre for Integrative Biology (CIBIO), University of Trento, Italy
- 2012-2013 **Teaching Assistant**
 Of a course on Computer Science for biotechnologists.
 Centre for Integrative Biology (CIBIO), University of Trento, Italy
- 2011-2012 **Teaching Assistant**
 Of a course on Computer Science for biotechnologists.
 Centre for Integrative Biology (CIBIO), University of Trento, Italy
- 2008 **Research Fellow**
 At the Learning and Intelligent Optimization (LION) group
 Department of Information Engineering and Computer Science
 University of Trento, Italy
 Under the supervision of prof. Roberto Battiti

 - Research and development of computational methods for the prediction of the tertiary (3D) structure of proteins

EDUCATION AND TRAINING

- 2009-2013 **Ph.D. in Information Engineering and Computer Science**
 At ICT Doctoral School, University of Trento, Italy
- 2007-2009 **MSc in Computer Science**
 Department of Information Engineering and Computer Science, University of Trento, Italy
- 2003-2007 **Bsc in Computer Science**
 Department of Environmental Sciences, Informatics and Statistics, University of Venice, Italy

PERSONAL SKILLS

Mother tongue(s) **Italian**

UNDERSTANDING	SPEAKING	WRITING
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Other language(s)

English

Listening	Reading	Spoken interaction	Spoken production	
C1	C1	C1	C1	C1

ADDITIONAL INFORMATION

PUBBLICAZIONI

- Stefano Teso – “*Constraint Learning: An Appetizer*”, Proceedings of the The 15th Reasoning Web Summer School, 2019 (to appear).
- Stefano Teso – “*Toward Faithful Explanatory Active Learning with Self-explainable Neural Nets*”, Interactive Adaptive Learning at ECMLPKDD 2019.
- Yann Duxais, Clement Gautrais, Anton Dries, Arcchit Jain, Samuel Kolb, Mohit Kumar, Stefano Teso, Elia Van Wolputte, Gust Verbruggen, Luc De Raedt – “*SynthLog: A Language for Synthesising Inductive Data Models*”, Automating Data Science at ECMLPKDD 2019.
- Samuel Kolb, Stefano Teso, Luc De Raedt – “*On Predictive Spreadsheet Autocompletion with Constraints*”, Automating Data Science at ECMLPKDD 2019.
- Paolo Dragone, Stefano Teso, Andrea Passerini – “*Pyconstruct: Constraint Programming Meets Structured Prediction*”, Automating Data Science at ECMLPKDD 2019.
- Mohit Kumar, Stefano Teso, Luc De Raedt – “*Acquiring Integer Programs from Data*”, IJCAI 2019.
- Stefano Teso, Kristian Kersting – “*Explainable Interactive Machine Learning*”, AAAI/ACM Conference on Artificial Intelligence, Ethics, and Society, 2019.
- Luc De Raedt, Hendrik Blockeel, Samuel Kolb, Stefano Teso, Gust Verbruggen – “*Elements of an Automatic Data Scientist*”, International Symposium on Intelligent Data Analysis, 2018.
- Mohit Kumar, Stefano Teso, Luc De Raedt – “*Automating Personnel Rostering by Learning Constraints Using Tensors*”, Data Science Meets Optimization at IJCAI 2018.
- Paolo Dragone, Stefano Teso, Andrea Passerini – “*Pyconstruct: Constraint Programming Meets Structured Prediction*”, IJCAI 2018 (demo).
- Samuel Kolb, Stefano Teso, Andrea Passerini, Luc De Raedt – “*Learning SMT(LRA) Constraints Using SMT Solvers*”, IJCAI 2018.
- Paolo Dragone, Stefano Teso, Andrea Passerini – “*Constructive Preference Elicitation*”, Frontiers in Robotics, 2018.
- Paolo Dragone, Stefano Teso, Andrea Passerini – “*Decomposition Strategies for Constructive Preference Elicitation*”, AAAI 2018.
- Paolo Dragone, Stefano Teso, Andrea Passerini – “*Constructive Preference Elicitation over hybrid Combinatorial Spaces*”, AAAI 2018.
- Didem Gundogdu, Ailbhe Finnerty, Jacopo Staiano, Stefano Teso, Andrea Passerini, Fabio Pianesi, Bruno Lepri – “*Investigating the Association between Social Interaction and Personality States Dynamics*”, Royal Society Open Science 2017.
- Stefano Teso, Andrea Passerini, Paolo Viappiani – “*Constructive Preference Elicitation for Multiple Users with Setwise Max-Margin*”, Algorithmic Decision Theory, 2017.
- Stefano Teso, Paolo Dragone, Andrea Passerini – “*Coactive Critiquing: Elicitation of Preferences and Features*”, AAAI 2017.
- Paolo Dragone, Luca Erculiani, Maria Teresa Chietera, Stefano Teso, Andrea Passerini – “*Constructive Layout Synthesis via Coactive Learning*”, Constructive Machine Learning workshop at NIPS 2016.
- Stefano Teso, Paolo Dragone, Andrea Passerini – “*Structured Feedback for Preference Elicitation in Complex Domains*”, BeyondLabeler workshop at IJCAI 2016.
- Stefano Teso, Andrea Passerini, Paolo Viappiani – “*Constructive Preference Elicitation by Setwise Max-margin Learning*”, In IJCAI 2016.
- Stefano Teso, Andrea Passerini – “*Inducing Sparse Programs for Learning Modulo Theories*”, In NIPS Workshop on Constructive Machine Learning 2015.

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Stefano Teso, Roberto Sebastiani, Andrea Passerini – “*Constructive Learning Modulo Theories*”, In NIPS Workshop on Constructive Machine Learning, 2015.

Stefano Teso, Roberto Sebastiani, Andrea Passerini – “*Structured Learning Modulo Theories*”, Artificial Intelligence Journal 2015.

Claudio Saccà, Stefano Teso, Michelangelo Diligenti, Andrea Passerini – “*Improved Multi-level Protein–Protein Interaction Prediction with Semantic-based Regularization*”, BMC Bioinformatics 2014, 15:103.

Stefano Teso, Andrea Passerini – “*Joint Probabilistic-Logical Refinement of Multiple Protein Feature Predictors*”, BMC Bioinformatics 2014, 15:16.

Stefano Teso, Roberto Sebastiani, Andrea Passerini – “*Hybrid SRL with Optimization Modulo Theories*”, In NIPS Workshop on Constructive Machine Learning, 2013.

Stefano Teso, Jacopo Staiano, Bruno Lepri, Andrea Passerini, Fabio Pianesi – “*Ego-Centric Graphlets for Personality and Affective States Recognition*”, ASE/IEEE International Conference on Social Computing, Washington D.C., USA, 2013.

Stefano Teso, Jacopo Staiano, Bruno Lepri, Andrea Passerini, Fabio Pianesi – “*Ego-Centric Graphlets for Personality and Affective States Recognition*”, Workshop on Information in Networks, WIN 2013 (abstract).

Elisa Cilia, Stefano Teso, Sergio Ammendola, Tom Lenaerts, Andrea Passerini – “*Predicting virus mutations through relational learning*”, In ECCB Workshop on Annotation, Interpretation and Management of Mutations (AIMM-2012), 2012.

Stefano Teso, Cristina Di Risio, Andrea Passerini, Roberto Battiti – “*An on/off lattice approach to protein structure prediction from contact maps*”, 2010, In PRIB'10 Proceedings of the 5th IAPR International Conference on Pattern Recognition in Bioinformatics

Carlo Nicolini, Bruno Lepri, Stefano Teso, Andrea Passerini – “*From on-going to complete activity recognition exploiting related activities*”, 2010, In ICPR 2010 Workshop on Human Behaviour Understanding (HBU 2010)

PH.D. THESIS

Stefano Teso – “*Statistical Relational Learning for Proteomics: Function, Interactions, Evolution*”, University of Trento, 2013.

TECHNICAL REPORTS

Stefano Teso, Paola Lecca – “*Notes on stochastic simulation of chemical kinetics with cycle-leaping*”, 2008, Microsoft Research–University of Trento Centre for Computational and Systems Biology (COSBI), TR-19-2008.

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