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Curriculum Vitæ

Giulio Rossetti

Positions

2015 – ... ★ PostDoc Research Fellow at Computer Science Department of the University of Pisa (www-kdd.di.unipi.it)
2011 – ... Research Fellow at KDD Laboratory ISTI-CNR (www-kdd.isti.cnr.it)
2013 – 2013 Junior Researcher at STACC, Microsoft/Skype. Research Topic: Analysis of communities and their evolution on the Skype social graph (www.stacc.ee)

Education

2012 – 2015 PhD in Computer Science at University of Pisa.
Thesis: “Social Network Dynamics”.
Advisors: Prof. Dino Pedreschi and Prof. Fosca Giannotti.
2007 – 2011 M.S. in Computer Science at University of Pisa
Thesis: “Link Prediction on Multidimensional Networks”.
Advisor: Prof. Fosca Giannotti and Dr. Michele Berlingerio.
2003 – 2007 B.S. in Computer Science at University of Pisa (www.di.unipi.it)

Teaching Experience

★ notable

2012 – 2017 ★ Teaching Assistant for “Web Mining and social networks” course at Master Degree in Computer Science, University of Pisa
2017 – 2017 Teaching Assistant for “Social Network Analysis” course at Master in Big Data, University of Pisa
2016 – 2017 Teaching Assistant for “Data Mining And Machine Learning” course at Master in Big Data, University of Pisa
2016 – 2016 Teaching Assistant for “Visual Analytics” course at Master in Big Data, University of Pisa

Awards

2013 ISTI-CNR¹ Young Researcher Award
2015 ISTI-CNR Young Researcher Award

Conference Organisation

2017 Co-chair of DyNo, 3rd International Conference on Dynamics in and on Networks in conjunction with ECML-PKDD 2017 (kdd.isti.cnr.it/dyno/).

¹The Institute of Information Science and Technologies (ISTI) is an institute of the Italian National Research Council (CNR)

Conference Organisation

continued

- 2017 Co-chair of the track “Data analysis and Social mining for the interconnected society” at the GOODTECH international conference (<http://goodtechs.eu/2017/show/home>).
- 2016 Co-chair of DyNo, 2nd International Conference on Dynamics in and on Networks in conjunction with ASONAM 2016 (kdd.isti.cnr.it/dyno/).
- 2015 Co-chair of DyNo, 1st International Conference on Dynamics in and on Networks in conjunction with ASONAM 2015 (kdd.isti.cnr.it/dyno/).

EU Projects

- 2015 – ... 2018 SoBigData: Social Mining and Big Data Ecosystem. H2020 project under the scheme INFRAIA- 1-2014-2015: Research Infrastructures - Grant agreement #654024 sobigdata.eu
- 2015 – ... 2018 CIMPLEX: Bringing CITizens, Models and Data together in Participatory, Interactive Social EXploratories. H2020 Project under the funding scheme FETPROACT- 1-2014: Global Systems Science (GSS), grant agreement #641191 <https://www.cimplex-project.eu>
- 2012 – 2015 SEEK: Semantic Enrichment of trajectory Knowledge discovery, EU Marie Curie project <http://www.seek-project.eu/>
- 2010 – 2013 LIFT: using local inference in massively distributed systems, EU FET-Open project <http://lift-eu.org/>
- 2011 – 2014 DataSIM: DATA science for SIMulating the era of electric vehicles, supported by the 7th Framework Programme of the EC, FP7-ICT-270833: <http://www.uhasselt.be/datasim>

Peer-reviewed Publications, Journal paper

★ notable

- 2016 ★ *G. Rossetti*, L. Pappalardo, R. Kikas, D. Pedreschi, F. Giannotti, M. Dumas: “Homophilic network decomposition: a community-centric analysis of online social services” *Social Network Analysis and Mining*. doi:10.1007/s13278-016-0411-4
- 2016 ★ *G. Rossetti*, R. Guidotti, I. Miliou, D. Pedreschi, F. Giannotti: “A Supervised Approach for Intra-/Inter-Community Interaction Prediction in Dynamic Social Networks” *Social Network Analysis and Mining*. doi:doi:10.1007/s13278-016-0397-y
- 2016 ★ *G. Rossetti*, L. Pappalardo, D. Pedreschi, F. Giannotti: “Tiles: an online algorithm for community discovery in dynamic social networks” *Machine Learning Journal*. doi:10.1007/s10994-016-5582-8
- 2014 ★ M. Coscia, *G. Rossetti*, F. Giannotti, D. Pedreschi: “Uncovering Hierarchical and Overlapping Communities with a Local-First Approach”, *ACM Transactions on Knowledge Discovery from Data (TKDD)*. doi:10.1145/2629511

Peer-reviewed Publications, Conference paper

★ notable

- 2016 ★ *G. Rossetti*, L. Pappalardo, S. Rinzivillo: “A novel approach to evaluate community detection algorithms on ground truth” *7th Complex Networks, CompleNet*. doi:10.1007/978-3-319-30569-1_10
- 2015 L. Milli, A. Monreale, *G. Rossetti*, D. Pedreschi, F. Giannotti, F. Sebastiani: “Quantification in Social Networks” *International Conference on Data Science and Advanced Analytics, IEEE*. doi:10.1109/DSAA.2015.7344845
- 2015 ★ *G. Rossetti*, L. Pappalardo, R. Kikas, D. Pedreschi, F. Giannotti, M. Dumas: “Community-centric analysis of user engagement in Skype social network” *International conference on Advances in Social Network Analysis and Mining*, pp. 547-552, *IEEE*. doi:10.1145/2808797.2809384
- 2015 ★ *G. Rossetti*, R. Guidotti, D. Pennacchioli, D. Pedreschi, F. Giannotti: “Interaction Prediction in Dynamic Networks exploiting Community Discovery”. *International conference on Advances in Social Network Analysis and Mining*, pp. 553-558, *IEEE*. doi:0.1145/2808797.2809401
- 2014 D. Pennacchioli, *G. Rossetti*, L. Pappalardo, D. Pedreschi, F. Giannotti, M. Coscia “The patterns of musical influence on the Last.Fm social network”, *SEBD 2014, Sorrento, Italy*
- 2013 L. Milli, A. Monreale, *G. Rossetti*, D. Pedreschi, F. Giannotti, F. Sebastiani “Quantification Trees”, *International Conference on Data Mining, ICDM*. doi:10.1109/ICDM.2013.122
- 2013 D. Pennacchioli, *G. Rossetti*, L. Pappalardo, D. Pedreschi, F. Giannotti “The Three Dimensions of Social Prominence”, *SocInfo*. doi:10.1007/978-3-319-03260-3_28
- 2013 ★ M. Coscia, *G. Rossetti*, D. Pennacchioli, D. Ceccarelli, F. Giannotti: “You Know Because I Know: a Multidimensional Network Approach to Human Resources Problem”, *IEEE International conference on Advances in Social Network Analysis and Mining*. doi:10.1145/2492517.2492537
- 2013 *G. Rossetti*, L. Pappalardo, D. Pedreschi: “Measuring tie strength in multidimensional networks”, *SEBD, Rocella Jonica, Italy*.
- 2013 M. Magnani, A. Monreale, *G. Rossetti*, F. Giannotti: “On multidimensional network measures”, *SEBD, Rocella Jonica, Italy*.
- 2012 ★ M. Coscia, *G. Rossetti*, F. Giannotti, D. Pedreschi: “DEMON: a Local-First Discovery Method for Overlapping Communities”, *ACM SIGKDD KDD*. doi:10.1145/2339530.2339630
- 2011 *G. Rossetti*, M. Berlingerio and F. Giannotti: “Link Prediction su Reti Multidimensionali”, *SEBD, Maratea, Italy*.

Peer-reviewed Publications, workshop paper

★ notable

- 2016 V. Caproni, *G. Rossetti*: “Football Market Strategies: Think Locally, Trade Globally”. 1st workshop on Data mining for the Analysis of Performance and Success (DAPS), *International Conference on Data Mining*.
- 2016 L. Pollacci, R. Guidotti, *G. Rossetti*: “Are we playing like Music-Stars? Placing Emerging Artists on the Italian Music Scene” *9th International Workshop on Machine Learning and Music (MML16)*, *European Conference on Machine Learning and Principles and Practice of Knowledge Discovery*.

- 2016 R. Guidotti, *G. Rossetti*, D. Pedreschi: “Audio Ergo Sum A Personal Data Model For Musical Preferences” 5th International Symposium From Data to Models and Back, DataMod.
- 2014 ★ *G. Rossetti*, L. Pappalardo, D. Pedreschi, F. Giannotti: “TILES: Evolutionary Community Discovery in Social Interaction Networks”, ECCS T Nets workshop.
- 2012 M. Nanni, R. Trasarti, *G. Rossetti*, D. Pedreschi: “Efficient distributed computation of human mobility aggregates through User Mobility Profiles”, ACM SIGKDD KDD UrbComp Workshop. doi:10.1145/2346496.2346511
- 2012 *G. Rossetti*, L. Pappalardo, D. Pedreschi: “How well do we know each other?: Detecting tie strength in multidimensional social networks”, IEEE ASONAM CSNA Workshops. DOI: 10.1109/ASONAM.2012.180
- 2011 ★ *G. Rossetti*, M. Berlingerio, F. Giannotti: “Scalable Link Prediction on Multidimensional Networks”, IEEE ICDM Workshops. doi:10.1109/ICDMW.2011.150

Posters

- 2012 G. Rossetti, D. Pennacchioli, M. Coscia, D. Pedreschi, F. Giannotti: “Exploring the Evolution of the Product Space of Supermarkets” Poster Session NetSci, Northwestern University Evanston, Illinois.
- 2012 G. Rossetti, M. Berlingerio, F. Giannotti: “Scalable Link Prediction on Multidimensional Networks”, Poster Session SML, Bad Neuenhar Germany.

Submitted or Under Submission

- 2016 *G. Rossetti*: “RDYN: Graph Benchmark handling Community Dynamics”. (Journal)
- 2016 *G. Rossetti*, R. Cazabet: “Community Discovery in Dynamic Networks: a Survey”. (Journal)
- 2016 *G. Rossetti*, L. Milli, F. Giannotti, D. Pedreschi: “The Discovery of Super-Forecasters and the Pursuit of Success”. (International Conference)
- 2016 R. Guidotti, *G. Rossetti*, L. Pappalardo, F. Giannotti, D. Pedreschi: “Next Basket Prediction using Recurring Sequential Patterns”. (International Conference)
- 2016 B. Guidi, A. Michienzi, *G. Rossetti*: “Dynamic Community Analysis in Decentralized Online Social Networks”. (International Conference)
- 2016 *G. Rossetti*, L. Milli, S. Rinzivillo, A. Sirbu, D. Pedreschi, F. Giannotti: “NDlib: Studying Network Diffusion Dynamics”. (International Conference)
- 2016 L. Milli, *G. Rossetti*, D. Pedreschi, F. Giannotti: “Diffusion Processes over Dynamic Networks”. (International Conference)
- 2016 L. Gabrielli, D. Fadda, *G. Rossetti*, M. Nanni, F. Giannotti, D. Pedreschi, L. Piccini: “Redefining regional boundaries: a mobility Data Analysis approach”. (International Conference)