Giovanni Luca Ciampaglia

(Joh-vah-nee Loo-kah Chahm-pa-yaa)

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Github: glciampaglia (additional code samples available upon request)
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Gender: Male
Born: July 12, 1980
Nationality: Italian (J1 visa, Two-Year rule waiver pending)

Current Affiliation

Indiana University Network Science Institute
School of Informatics and Computing
Indiana University Bloomington

Areas of specialization

Complex systems • Network Science • Collective social phenomena

Education

2012	**Ph.D. in Informatics** *Università della Svizzera Italiana*, Lugano, Switzerland SUPERVISORS: Luca Gambardella (IDSIA), Alberto Vancheri (SUPSI), Paolo Giordano (TU Wien)
2006	***Laurea* in Computer Science (MSc equivalent)** Sapienza University, Rome, Italy SUPERVISOR: Brunello Tirozzi
1999	*Maturità Scientifica* *Liceo Scientifico Isacco Newton*, Rome, Italy

Research

2015-present	**Indiana University** (Bloomington, USA) Assistant Research Scientist Indiana University Network Science Institute
2013-2015	**Indiana University (Bloomington, USA)** Postdoctoral fellow

Center for Complex Networks and Systems Research (Prof. Filippo Menczer)

Jul.-Aug. 2011 **Wikimedia Foundation, Inc. (San Francisco, USA)**
Research intern
Wikimedia Summer of Research, Community Department (Dr. Diederik Van Liere)

2010-2011 **Swiss Federal Institute of Technology (Zürich, Switzerland)**
Research associate
Chair of Sociology, in particular Modeling and Simulation (Prof. Dirk Helbing)

Teaching

2015 **Indiana University Bloomington (USA)**
Guest lecturer, School of Informatics and Computing
I690 Mathematical Modeling of Complex Systems: Introduction to Game Theory

2013 **Indiana University Bloomington (USA)**
Guest lecturer, School of Informatics and Computing
I690 Mathematical Modeling of Complex Systems: Agent-based models

2010-2011 **Swiss Federal Institute of Technology (Zürich, Switzerland)**
Lecturer, Program in Humanities, Social and Political Sciences
Lectures with Computer Exercises: Modelling and Simulating Social Systems with MATLAB

2007-2008 ***Università della Svizzera Italiana* (Lugano, Switzerland)**
Teaching assistant, Bachelor Program in Informatics
Artificial Intelligence and Knowledge Management (Prof. Luca Maria Gambardella)
Computer Networking (Prof. Antonio Carzaniga)

Industry

2012-2013 **Wikimedia Foundation, Inc. (San Francisco, USA)**
Research Analyst
Technology Department, (Dr. Dario Taraborelli)

Publications *&* talks

Working Papers

Ciampaglia, Giovanni Luca, J. J. Ramasco, and Bruno Gonçalves. *Night life and road safety: a comparison of 7 Italian cities.* In preparation. 2016.

Nematzadeh, Azadeh, Giovanni Luca Ciampaglia, Yong-Yeol Ahn, and Alessandro Flammini. "Information Overload in Group Communication: From Conversation to Cacophony in the Twitch Chat". In: *EPJ Data Science* (2016). Under review.

Sayyadiharikandeh, Mohsen, Giovanni Luca Ciampaglia, and Alessandro Flammini. *Gender Detection from Social Media.* In preparation. 2016.

Tambuscio, Marcella, Giovanni Luca Ciampaglia, D. F. M. Oliveira, Giancarlo Ruffo, Alessandro Flammini, and Filippo Menczer. "Network segregation and the spread of misinformation online". In: *Physica A* (2016). Under review.

Simas, Tiago, Giovanni Luca Ciampaglia, Olaf Sporns, and Rocha Luis M. *Distance backbone of complex networks*. In preparation. 2014.

Peer-reviewed journal articles

Davis, Clayton A et al. "OSoMe: The IUNI observatory on social media". In: *PeerJ Computer Science* (2016). DOI: 10.7287/peerj.preprints.2008v1.

Ciampaglia, Giovanni Luca, Alessandro Flammini, and Filippo Menczer. "The production of information in the attention economy". In: *Scientific Reports* 5 (2015), p. 9452. DOI: 10.1038/srep09452.

Ciampaglia, Giovanni Luca, Prashant Shiralkar, Luis M. Rocha, Johan Bollen, Filippo Menczer, and Alessandro Flammini. "Computational Fact Checking from Knowledge Networks". In: *PLoS ONE* 10.6 (June 2015), e0128193. DOI: 10.1371/journal.pone.0128193. URL: http://dx.doi.org/10.1371%2Fjournal.pone.0128193.

Ciampaglia, Giovanni Luca, Sergi Lozano, and Dirk Helbing. "Power and Fairness in a Generalized Ultimatum Game". In: *PLoS ONE* 9.6 (June 2014), e99039. DOI: 10.1371/journal.pone.0099039. URL: http://dx.doi.org/10.1371%2Fjournal.pone.0099039.

Ciampaglia, Giovanni Luca. "A Framework for the Calibration of Social Simulation Models". In: *Adv. Comp. Sys.* 16 (2012), p. 1350030. DOI: 10.1142/S0219525913500306.

Peer-reviewed proceedings contributions

Park, Jaehyuk, Giovanni Luca Ciampaglia, and Emilio Ferrara. "Style in the Age of Instagram: Predicting Success Within the Fashion Industry Using Social Media". In: *Proceedings of the 19th ACM Conference on Computer-Supported Cooperative Work & Social Computing*. CSCW '16. San Francisco, California, USA: ACM, 2016, pp. 64–73. ISBN: 978-1-4503-3592-8. DOI: 10.1145/2818048.2820065. URL: http://doi.acm.org/10.1145/2818048.2820065.

Shao, Chengcheng, Giovanni Luca Ciampaglia, Alessandro Flammini, and Filippo Menczer. "Hoaxy: A Platform for Tracking Online Misinformation". In: *Proceedings of the 25th International Conference on World Wide Web*. WWW '16 Companion. In press. New York, NY, USA: ACM, 2016. DOI: 10.1145/2872518.2890098.

Ciampaglia, Giovanni Luca and Dario Taraborelli. "MoodBar: Increasing New User Retention in Wikipedia Through Lightweight Socialization". In: *Proceedings of the 18th ACM Conference on Computer Supported Cooperative Work & Social Computing*. CSCW '15. Vancouver, BC, Canada: ACM, 2015, pp. 734–742. ISBN: 978-1-4503-2922-4. DOI: 10.1145/2675133.2675181. URL: http://doi.acm.org/10.1145/2675133.2675181.

Fulper, R., G. L. Ciampaglia, E. Ferrara, Filippo Menczer, Y. Ahn, A. Flammini, B. Lewis, and K. Rowe. "Misogynistic Language on Twitter and Sexual Violence". In: *Proc. ACM Web Science Workshop on Computational Approaches to Social Modeling (ChASM), 2014*. Jan. 2015. URL: http://dx.doi.org/10.6084/m9.figshare.1291081.

Ciampaglia, Giovanni Luca. "A Bounded Confidence Approach to Understand User Participation in Peer Production Systems". In: *Third International Conference on Social Informatics (SocInfo'11)*. Vol. 6984. LNCS. Singapore: Springer Verlang, June 2011, pp. 269–282. DOI: 10.1007/978-3-642-24704-0_29.

Ciampaglia, Giovanni Luca and Alberto Vancheri. "Empirical Analysis of User Participation in Online Communities: the Case of Wikipedia". In: *Intl Conf on Weblogs and Social Media*. 2010.

Taraborelli, D. and G.L. Ciampaglia. "Beyond Notability. Collective Deliberation on Content Inclusion in Wikipedia". In: *Self-Adaptive and Self-Organizing Systems Workshop (SASOW), 2010 Fourth IEEE International Conference on*. Sept. 2010, pp. 122–125. DOI: 10.1109/SASOW.2010.26.

Rev. c42f07e

Ciampaglia, Giovanni L. and B. Tirozzi. "Go East: a residential land use model for the periphery of Rome". In: *Proc. of the Intl Cong. on Environmental Modelling and Software (iEMS)*. 2008.

Rebiha, Rachid and Giovanni Luca Ciampaglia. "An Ant Colony Verification Algorithm". In: *Proc. of Seventh Intl Conf. on Intelligent Systems Design and Applications (ISDA 2007)*. 2007, pp. 901–906. DOI: 10.1109/ISDA.2007.63.

Theses & miscellanea

Ciampaglia, Giovanni Luca, Emilio Ferrara, and Alessandro Flammini. "Collective Behaviors and Networks". In: *EPJ Data Science* (2014). Editorial. DOI: 10.1140/epjds/s13688-014-0037-6.

Ciampaglia, Giovanni Luca, Sergi Lozano, and Dirk Helbing. "Quality collectives: evolving socio-technical systems to support quality". In: ed. by Nigel Gilbert, Maria Xenitidou, Dirk Helbing, Mark Jelasity, Andrzej Nowak, Johan Pouwelse, Camille Roth, Yi-Cheng Zhang, and Alois Zistler. Online at http://www.qlectives.eu/quality-collectives-book. 2014. Chap. Anonymous sharing behavior in Web experiments with different balance of power.

Ciampaglia, Giovanni Luca and Dario Taraborelli. *What MoodBar tells us about registered editors*. Wikimedia Foundation, inc. July 2012. URL: https://blog.wikimedia.org/2012/07/05/what-moodbar-tells-us-about-new-registered-editors/.

Ciampaglia, Giovanni Luca, Dario Taraborelli, and Howie Fung. *Research:MoodBar*. Wikimedia Foundation, inc. 2012. URL: https://meta.wikimedia.org/wiki/Research:MoodBar.

Ciampaglia, Giovanni Luca. "User Participation and Community Formation in Peer Production Systems". PhD thesis. University of Lugano, 2011.

Millner, Antony, Giovanni Luca Ciampaglia, Nish Aravamudan, and Jacob Foster. "The cost of strategic adaptation in a simple conceptual model of climate change". Santa Fe Institute Complex Systems Summers School Working Papers. Aug. 2008.

Ciampaglia, Giovanni Luca. "Modello di Crescita Urbana Mediante Automi Cellulari e Sistemi Multi-Agente". MA thesis. Sapienza University of Rome, 2006.

Talks & presentations

2016	Wikimedia Research Showcase. San Francisco, August 17. Invited Talk.
2015	TTI/Vanguard "Collaboration and the Future of the Workplace". October 30. Invited talk.
2015	Conference on Complex Systems (CCS'15). September 28. Oral presentation.
2015	International Conference on Network Science (NetSci'15). June 4. Oral presentation.
2015	ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW'15). March 16. Oral presentation.
2015	Advancing an industry/academic partnership model for Open Collaboration research. CSCW'15 satellite workshop. Vancouver, March 14. Invited talk.
2015	Leibniz Institute for the Social Sciences. March 5. Invited talk.
2015	CRASSH Symposium on Conspiracy Theories and Democracy. University of Cambridge, March 3rd. Invited talk.
2014	Ostrom Workshop Fall Colloquium, Indiana University, December 1st. Oral presentation.
2014	Network Science Colloquium, Indiana University, October 13. Oral presentation.
2014	10th European Conference on Complex Systems (ECCS14), IMT Lucca, September 22. Oral presentation.
2014	Wikimedia Research Showcase, June 18. Invited talk.
2012	3rd Intl Conference on Social Informatics, Singapore Management University, October 6-8. Oral presentation.
2010	4th Intl AAAI Conference on Weblogs and Social Media, George Washington University, May 23-26. Poster presentation.
2009	Intl Workshop on Coping with Crises in Complex Socio-Economic Systems, ETH Zürich, June 8-12.

Oral presentation.

2009 USI-UZH p2p Workshop, *Università della Svizzera Italiana*, June 17. Oral presentation.

Grants & awards

2016 Collaborative Research and Creative Activity Funding Award (12 Months) Indiana University Bloomington ($ 20,000).

2012 Prospective Researcher Fellowship (18 Months) Swiss National Science Foundation.

2012 Best Interactive Visualization KANTAR "Information is Beautiful" Awards.

2011 Travel grant award (SocInfo 2011) Singapore Management University.

2010 Visiting studentship (3 months) ETH Zürich, Switzerland.

2008 Admission to summer school (1 month) Santa Fe Institute Complex Systems Summer School.

2006 Doctoral studentship (4 years) Swiss National Science Foundation.

Service & Memberships

2016 Associate editor: Computational Social Science, Springer (pending).

2016 Co-organizer: Open Science for an Open Society, satellite workshop at the Conference on Complex Systems (2016).

 Member: Association for Computing Machinery.

2016 Sponsorship chair: NetSci 2017.

2015 Advisory board member: Open Collaboration Data Factory (NSF Grant 144920).

2014-present Co-organizer: Computational Social Science, satellite workshop at the Conference on Complex Systems (2014, 15, 16).

2014-present Member: SIGWEB.

2014-present Member: Complex Systems Society.

2014 Publicity chair: ACM Web Science 2014.

2013-2014 Guest editor: EPJ Data Science.

2013 Co-organizer: Collective Behaviors and Networks, satellite workshop at ECCS'13.

2012-present Reviewer: Scientific Reports, ACM TOIT, Network Science, Frontiers in ICT, PeerJ Computer Science, CSCW (*distinguished reviewer*), Entropy, EPJ Data Science, Adv. Comp. Sys., JASSS, ACM TOIS, IEEE Internet Computing, PLoS ONE, Wikimedia Research Newsletter.

2014-present PC Member: SNOW (2014, 2016), CompleNet (2016), COOL, CRIMENET (2014), DataWiz (2014), DYAD (2014), HyperText (2015), SocInfo (2014, 2016).

IT & programming

Programming languages: C, Java, MATLAB.
Scripting languages: Javascript, Python/Cython, Unix Shell, VIM.
Parallel Computing: PBS, IPython, OpenMP, MPI, PIG, Hive.
Statistical analysis: R, SciPy + NumPy.
Network analysis: graph-tool, NetworkX, Gephi.
Database systems: MySQL, SQLite.
Web Frameworks: Django, jQuery.
Revision control: Git.
Digital typography: LaTeX, XƎTEX.
Personal productivity system: GTD.

Languages

Italian (native speaker)
English (professional proficiency)
German (basic proficiency)
French (basic proficiency)