

# Giovanni Luca Ciampaglia

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Gender: Male  
Born: July 12, 1980  
Nationality: Italian

## Current Affiliation

Center for Complex Networks and Systems Research  
School of Informatics and Computing  
Indiana University Bloomington

## Areas of specialization

Complex systems • Collective social phenomena • Complex networks

## 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

- 2013-present     **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 Lier)
- 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

### PEER-REVIEWED JOURNAL ARTICLES

- Ciampaglia, Giovanni Luca, Alessandro Flammini, and Filippo Menczer. “The production of information in the attention economy”. In: *Nature Scientific Reports* (2015). *In press*.
- 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](https://doi.org/10.1371/journal.pone.0099039). URL: <http://dx.doi.org/10.1371/journal.pone.0099039>.
- Ciampaglia, Giovanni Luca, Prashant Shiralkar, Luis Rocha, Johan Bollen, Filippo Menczer, and Alessandro Flammini. “Computation Fact-Checking from Knowledge Networks”. In: *ArXiv preprint arXiv:1501.03471* (2014).
- Simas, Tiago, Giovanni Luca Ciampaglia, Olaf Sporns, and Rocha Luis M. “Distance backbone of complex networks”. In: (2014). *In preparation*.
- Ciampaglia, Giovanni Luca. “A Framework for the Calibration of Social Simulation Models”. In: *Adv. Comp. Sys.* 16 (2012), p. 1350030. DOI: [10.1142/S0219525913500306](https://doi.org/10.1142/S0219525913500306).

## PEER-REVIEWED PROCEEDINGS CONTRIBUTIONS

- Ciampaglia, Giovanni Luca and D. Taraborelli. “MoodBar: increasing new user retention in Wikipedia through lightweight socialization”. In: *Proceedings of the 18th ACM conference on Computer supported cooperative work and social computing*. 2015.
- 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 Verlag, June 2011, pp. 269–282. DOI: [10.1007/978-3-642-24704-0\\_29](https://doi.org/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](https://doi.org/10.1109/SASOW.2010.26).
- 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](https://doi.org/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](https://doi.org/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

- 2015 ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW’15). March 16th. 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 5th. 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.
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, <i>Università della Svizzera Italiana</i> , June 17. Oral presentation.

## Grants & awards

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

2012-present	REVIEWER: Entropy, EPJ Data Science, Adv. Comp. Sys., JASSS, ACM TOIS, IEEE Internet Computing, PLoS ONE, Wikimedia Research Newsletter.
2013-2014	GUEST EDITOR: EPJ Data Science.
2013	WORKSHOP CO-ORGANIZER: Collective Behaviors and Networks, satellite workshop at ECCS’13.
2014	PUBLICITY CHAIR: ACM Web Science 2014.
2014	WORKSHOP CO-ORGANIZER: Computational Social Science, satellite workshop at ECCS’14.

## IT & programming

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

## Languages

Italian (native speaker)

English (professional proficiency)

German (basic proficiency)

French (basic proficiency)