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

Competences

Modeling • Big data • Simulation

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 Liere)

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

Teaching

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)

Consulting

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

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.

Administration & editorial activity

2013-present   Guest editor: EPJ Data Science.
2012-present   Reviewer: Adv. Comp. Sys., JASSS, ACM TOIS, IEEE Internet Computing, Wikimedia Research Newsletter.
2013   Workshop Co-organizer: Collective Behaviors and Networks, satellite workshop at ECCS'13.
2013   Publicity chair: ACM Web Science 2014.

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, X∃TEX.
Personal productivity system: GTD.

Languages

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

Publications & talks

JOURNAL PAPERS

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

CONFERENCE PROCEEDINGS

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.

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 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

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.