Giovanni Luca Ciampaglia *(Joh-vah-nee Loo-kah Chahm-pa-yaa)*

919 E 10th St
Bloomington, IN 47408
Phone: 1-812-855-7261

Email: glciampagl@gmail.com
Github: github.com/glciampaglia (additional code samples available upon request)
LinkedIn: linkedin.com/in/giovanni-luca-ciampaglia
Scholar: https://scholar.google.com/citations?user=ay9uGpcAAAAJ
Homepage: www.glciampaglia.com

Current Affiliation

Network Science Institute
Indiana University

Research Interests

Data Science • Computational Social Science • Network Science

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

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)** School of Informatics and Computing *I690 Mathematical Modeling of Complex Systems: Introduction to Game Theory* (guest lecturer)
2013	**Indiana University Bloomington (USA)** School of Informatics and Computing *I690 Mathematical Modeling of Complex Systems: Agent-based models* (guest lecturer)
2010-2011	**Swiss Federal Institute of Technology (Zürich, Switzerland)** Department of Humanities, Social and Political Sciences *Lectures with Computer Exercises: Modelling and Simulating Social Systems with MATLAB*
2007-2008	***Università della Svizzera Italiana* (Lugano, Switzerland)** Faculty of Informatics *Artificial Intelligence and Knowledge Management* (T.A. for Prof. Luca Maria Gambardella) *Computer Networking* (T.A. for Prof. Antonio Carzaniga)

Industry

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

Publications

Journal articles

Ciampaglia, Giovanni Luca. "Fighting fake news: a role for computational social science in the fight against digital misinformation". In: *Journal of Computational Social Science* 1.1 (Jan. 2018), pp. 147–153. ISSN: 2432-2725. DOI: 10.1007/s42001-017-0005-6.

Ciampaglia, Giovanni Luca, Alexios Mantzarlis, Gregory Maus, and Filippo Menczer. "Research Challenges of Digital Misinformation: Toward a Trustworthy Web". In: *AI Magazine* 39.1 (Mar. 2018:). In press.

Shao, Chengcheng, Pik-Mai Hui, Lei Wang, Xinwen Jiang, Alessandro Flammini, Filippo Menczer, and Giovanni Luca Ciampaglia. "Anatomy of an online misinformation network". In: *PLOS ONE* (2018). Under review.

An, Jisun, Giovanni Luca Ciampaglia, Nir Grinberg, Kenneth Joseph, Alexios Mantzarlis, Gregory Maus, Filippo Menczer, Nicholas Proferes, and Brooke Foucault Welles. "Reports of the Workshops Held at the 2017 International AAAI Conference on Web and Social Media". In: *AI Magazine* 38.4 (2017). DOI: 10.1609/aimag.v38i4.2772.

Copeland, Lauren, Giovanni Luca Ciampaglia, and Li Zhao. "Fashion Informatics and the Network of Fashion Knockoffs". In: *Clothing & Textiles Research Journal* (2017). Submitted.

Nematzadeh, Azadeh, Giovanni Luca Ciampaglia, Filippo Menczer, and Alessandro Flammini. *How algorithmic popularity bias hinders or promotes quality*. e-print. CoRR, July 2017. arXiv: `1707.00574 [cs.CY]`.

Shao, Chengcheng, Giovanni Luca Ciampaglia, Onur Varol, Alessandro Flammini, and Filippo Menczer. *The spread of misinformation by social bots*. e-print. CoRR, July 2017. arXiv: `1707.07592 [cs.SI]`.

Davis, Clayton A., Giovanni Luca Ciampaglia, Luca Maria Aiello, Keychul Chung, Michael D. Conover, Emilio Ferrara, Alessandro Flammini, Geoffrey C. Fox, Xiaoming Gao, Bruno Gonçalves, Przemyslaw A. Grabowicz, Kibeom Hong, Pik-Mai Hui, Scott McCaulay, Karissa McKelvey, Mark R. Meiss, Snehal Patil, Chathuri Peli Kankanamalage, Valentin Pentchev, Judy Qiu, Jacob Ratkiewicz, Alex Rudnick, Benjamin Serrette, Prashant Shiralkar, Onur Varol, Lilian Weng, Tak-Lon Wu, Andrew J. Younge, and Filippo Menczer. "OSoMe: the IUNI observatory on social media". In: *PeerJ Computer Science* 2 (Oct. 2016), e87. ISSN: 2376-5992. DOI: `10.7717/peerj-cs.87`.

Nematzadeh, Azadeh, Giovanni Luca Ciampaglia, Yong-Yeol Ahn, and Alessandro Flammini. *Information Overload in Group Communication: From Conversation to Cacophony in the Twitch Chat*. e-print. CoRR, Nov. 2016. arXiv: `1610.06497 [cs.SI]`.

Tambuscio, Marcella, Diego F. M. Oliveira, Giovanni Luca. Ciampaglia, and Giancarlo Ruffo. *Network segregation in a model of misinformation and fact checking*. e-print. CoRR, Oct. 2016. arXiv: `1610.04170 [cs.SI]`.

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), pp. 1–13. DOI: `10.1371/journal.pone.0128193`.

Ciampaglia, Giovanni Luca, Emilio Ferrara, and Alessandro Flammini. "Collective behaviors and networks". In: *EPJ Data Science* 3.1 (Dec. 2014), p. 37. ISSN: 2193-1127. DOI: `10.1140/epjds/s13688-014-0037-6`.

Ciampaglia, Giovanni Luca, Sergi Lozano, and Dirk Helbing. "Power and Fairness in a Generalized Ultimatum Game". In: *PLOS ONE* 9.6 (June 2014), pp. 1–9. DOI: `10.1371/journal.pone.0099039`.

Peer-reviewed conference proceedings contributions

Nakandala, Supun, Giovanni Luca Ciampaglia, Norman Makoto Su, and Yong-Yeol Ahn. "Gendered Conversation in a Social Game-Streaming Platform". In: *Proc. of the 11th International AAAI Conference on Web and Social Media*. Montréal, Québec, Canada: AAAI, 2017, pp. 162–171. URL: `https://www.aaai.org/ocs/index.php/ICWSM/ICWSM17/paper/view/15629`.

Shiralkar, Prashant, Mihai Avram, Giovanni Luca Ciampaglia, Filippo Menczer, and Alessandro Flammini. "RelSifter: Scoring Triples from Type-like Relations—The Samphire Triple Scorer at WSDM Cup 2017". In: *WSDM Cup 2017 Notebook Papers, February 10, Cambridge, UK*. Ed. by Martin Potthast, Stefan Heindorf, and Hannah Bast. Cambridge, UK: CEUR-WS.org, Feb. 2017. URL: `http://www.wsdm-cup-2017.org/proceedings.html`.

Shiralkar, Prashant, Alessandro Flammini, Filippo Menczer, and Giovanni Luca Ciampaglia. "Finding Streams in Knowledge Graphs to Support Fact Checking". In: *Proceedings of the 2017 IEEE 17th International Conference on Data Mining*. Extended Version. New Orleans, Louisiana, USA: IEEE, Aug. 2017. arXiv: `1708.07239 [cs.AI]`.

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 Fran-

cisco, California, USA: ACM, 2016, pp. 64–73. ISBN: 978-1-4503-3592-8. DOI: 10.1145/2818048.2820065.

Sayyadiharikandeh, Mohsen, Giovanni Luca Ciampaglia, and Alessandro Flammini. "Cross-domain Gender Detection in Twitter". In: *Proceedings of the Workshop on Computational Approaches to Social Modeling (ChASM)*. Seattle, Washington, USA, Sept. 2016.

Shao, Chengcheng, Giovanni Luca Ciampaglia, Alessandro Flammini, and Filippo Menczer. "Hoaxy: A Platform for Tracking Online Misinformation". In: *Proceedings of the 25th International Conference Companion on World Wide Web*. WWW '16 Companion. Montréal, Québec, Canada: International World Wide Web Conferences Steering Committee, 2016, pp. 745–750. ISBN: 978-1-4503-4144-8. 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.

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)*. Bloomington, IN, June 2014. DOI: 10.6084/m9.figshare.1291081.

Ciampaglia, Giovanni Luca and Alberto Vancheri. "Empirical Analysis of User Participation in Online Communities: the Case of Wikipedia". In: *Fourth International AAAI Conference on Weblogs and Social Media*. Washington, D.C.: AAAI, May 2010, pp. 219–222. URL: https://www.aaai.org/ocs/index.php/ICWSM/ICWSM10/paper/view/1517.

Taraborelli, D. and G.L. Ciampaglia. "Beyond Notability. Collective Deliberation on Content Inclusion in Wikipedia". In: *Fourth IEEE International Conference on Self-Adaptive and Self-Organizing Systems Workshop (SASOW)*. Budapest, Hungary: IEEE, 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: *Proceedings of the iEMSs Fourth Biennial Meeting: International Congress on Environmental Modelling and Software (iEMSs 2008)*. Ed. by Miquel Sànchez-Marrè, Javier Béjar, Joaquim Comas, Andrea E. Rizzoli, and Giorgio Guariso. Barcelona, Catalonia: International Environmental Modelling and Software Society, July 2008, pp. 817–826.

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)*. Rio De Janeiro, Brazil: IEEE, 2007, pp. 901–906. DOI: 10.1109/ISDA.2007.63.

Book chapters

Ciampaglia, Giovanni Luca. "The Digital Misinformation Pipeline: Proposal for a Research Agenda". In: *Positive Learning in the Age of Information: A blessing or a curse?* Ed. by Olga Zlatkin-Troitschanskaia, Gabriel Wittum, and Andreas Dengel. In press. Wiesbaden, DE: Springer, 2018, pp. 413–421. ISBN: 978-3-658-19567-0.

Ciampaglia, Giovanni Luca, Sergi Lozano, and Dirk Helbing. "Anonymous sharing behavior in Web experiments with different balance of power". In: *Quality collectives: evolving socio-technical systems to support quality*. Ed. by Nigel Gilbert, Maria Xenitidou, Dirk Helbing, Mark Jelasity, Andrzej Nowak, Johan Pouwelse, Camille Roth, Yi-Cheng Zhang, and Alois Zistler. QLectives Working Paper. QLectives, 2014. Chap. 35. URL: http://www.qlectives.eu/quality-collectives-book.

ONLINE REPORTS

Ciampaglia, Giovanni Luca. *Can online gaming ditch its sexist ways?* The Conversation. Nov. 2017.
URL: https://theconversation.com/can-online-gaming-ditch-its-sexist-ways-74493.

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.

THESES

Ciampaglia, Giovanni Luca. "User Participation and Community Formation in Peer Production
Systems". PhD thesis. University of Lugano, 2012.

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

Funding

2017	NATIONAL SCIENCE FOUNDATION. CISE IIS, PI. $491,718, submitted.
2017	JOHN TEMPLETON FOUNDATION. Character development fund, PI. $1,827,443, not funded.
2017	KNIGHT FOUNDATION. Prototype fund, Co-PI. $50,000, not funded.
2017	DEMOCRACY FUND. Prototype fund, Co-PI. $50,000, awarded.
2016	NATIONALL SCIENCE FOUNDATION. CISE IIS, Co-PI. $1,199,175, not funded.
2016	OFFICE OF VICE-PRESIDENT FOR RESEARCH, INDIANA UNIVERSITY. CRCAF, PI. $20,000, awarded.
2016	NATIONAL INSTITUTE FOR HEALTH. R01, Senior personnel $1,854,788, not funded.
2015	NATIONAL SCIENCE FOUNDATION. SBE RIDIR, PI. $1,403,851, not funded.
2015	NATIONAL SCIENCE FOUNDATION. CISE IIS, Co-PI. $1,205,249, not funded.
2012	SWISS NATIONAL SCIENCE FOUNDATION. Postdoctoral fellowship. $63,450, awarded.
2011	SINGAPORE MANAGEMENT UNIVERSITY. Travel grant, SocInfo 2011. $1,358, awarded.

Presentations & Outreach

2017	ICDM 2017, Tutorial on "Mining Misinformation in Social Media", *Scheduled* (acceptance rate 3/15).
2017	JOURNALISM INTERACTIVE, College Park, MD. October 21. Invited talk.
2017	THE SKYLINE CLUB. Indianapolis, IN. September 28. Invited talk.
2017	NATIONAL ENDOWMNENT FOR DEMOCRACY. Washington, DC. September 26. Invited talk.
2017	JOHANNES GUTENBERG UNIVERSITY, Germany. June 28. Keynote talk (host Prof. Olga Troitschanskaia).
2017	MAX PLANK INSTITUTE FOR SOFTWARE SYSTEMS, Germany. June 26. Invited talk (host Prof. Krishna Gummadi).
2017	NETSCI 2017, satellite workshop "Social Influence". June 19. Invited talk.
2017	ISI FOUNDATION, Italy. June 8. Invited talk (host Dr. Ciro Cattuto).
2017	TTI/VANGUARD "Hyperconnected", Boston, MA. April 12. Invited talk.
2017	HARIRI INSTITUTE FOR COMPUTING, BOSTON UNIVERSITY. DSI Colloquium. April 26. Invited Talk (host Prof. Azer Bestavros).
2017	BOSTON UNIVERSITY. April 24. Invited talk (host Prof. James Katz).
2017	43RD ASILOMAR MICROCOMPUTER WORKSHOP. April 19. Invited talk.

2017	The Matt Townsend Show (BYU Radio.) March 29. Radio interview [URL.]
2017	Bloomington Press Club. March 27. Invited talk.
2017	American Physical Society, March Meeting. March 16. Invited talk (host Prof. Guido Caldarelli).
2017	Indiana University-Purdue University Indianapolis. February 23. Invited talk.
2017	University of Iowa. February 20. Invited talk.
2017	University of California Davis. January 20. Invited talk.
2017	Tenth ACM Conference on Web Science and Data Mining. February 10. Poster presentation.
2017	Oxford Internet Institute, University of Oxford. February 9. Invited talk.
2016	Noon Edition (WFIU.). December 2. Radio interview [URL.]
2016	22nd ACM SIGKDD Conference on Knowledge Discovery and Data Mining, workshop on "Machine learning meets fashion". August 16. Poster presentation.
2016	Wikimedia Research Showcase. San Francisco, August 17. Invited talk.
2016	DeWitt Wallance Center for Media and Democacry, Duke University. March 31. Invited talk.
2016	Institute for Pure and Applied Mathematics, UCLA. May 13. Poster presentation.
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	ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW'15) workshop on "Advancing an industry/academic partnership model for Open Collaboration research". Vancouver, BC, Canada. March 14. Invited talk.
2015	GESIS – Leibniz Institute for the Social Sciences. March 5. Invited talk.
2015	University of Cambridge, Center for Research in the Arts, Social Sciences, and Humanities, 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.

Awards

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

Service

2018	Program co-chair: WWW 2018 Alternate track on "Journalism, Misinformation, and Fact Checking".
2017	Program co-chair: SocInfo 2017.

2017	Sᴘᴏɴsᴏʀsʜɪᴘ ᴄᴏ-ᴄʜᴀɪʀ: NetSci 2017 (amount raised $36,500).
2017	Assᴏᴄɪᴀᴛᴇ ᴇᴅɪᴛᴏʀ: Journal of Computational Social Science, Springer.
2017	Cᴏ-ᴏʀɢᴀɴɪᴢᴇʀ: ICWSM 2017 workshop on Digital Misinformation.
2016	Cᴏ-ᴏʀɢᴀɴɪᴢᴇʀ: Open Science for an Open Society, satellite workshop at the Conference on Complex Systems (2016).
2014-present	Cᴏ-ᴏʀɢᴀɴɪᴢᴇʀ: Computational Social Science, satellite workshop at the Conference on Complex Systems (2014, 15, 16).
2014	Pᴜʙʟɪᴄɪᴛʏ ᴄʜᴀɪʀ: ACM Web Science 2014.
2013-2014	Gᴜᴇsᴛ ᴇᴅɪᴛᴏʀ: EPJ Data Science.
2013	Cᴏ-ᴏʀɢᴀɴɪᴢᴇʀ: Collective Behaviors and Networks, satellite workshop at ECCS'13.
2012-present	Rᴇᴠɪᴇᴡᴇʀ: Journal of the Royal Society: Interface, CACM, 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 Mᴇᴍʙᴇʀ: WWW (2017), SNOW (2014, 2016), CompleNet (2016), COOL, CRIMENET (2014), DataWiz (2014), DYAD (2014), HyperText (2015), SocInfo (2014, 2016).