Dario Taraborelli

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Areas of specialization

Experimental design • Data mining • Statistical analysis
Cognitive science • Social computing • Human-computer interaction

Professional experience

2013-present **Wikimedia Foundation**
Senior Research Scientist, Research & Data team lead
Engineering and Product Development Department

2011-2013 **Wikimedia Foundation**
Senior Research Analyst, Strategy
Engineering and Product Development Department

2009-2011 **Springer Science+Business Media**
Editor-in-Chief
The Review of Philosophy & Psychology

2010 **Sciences Po**
Adjunct Faculty
Masters Programme in Communication

2010 **Burgundy School of Business**
Visiting Faculty
Masters Programme in Management of Organizations

2008-2010 **University of Surrey**
Postdoctoral Research Fellow
Centre for Research in Social Simulation, Department of Sociology

2006-2008 **University College London**
Postdoctoral Marie Curie Fellow
Department of Psychology

2005-2006 **École des Hautes Études en Sciences Sociales**
Research Assistant
Institut Jean-Nicod

2005 **Université Paris 7**
Lecturer
Undergraduate Programme in Psychology

2005 **École Normale Supérieure**
Teaching Assistant
Masters Programme in Cognitive Science

Consulting

2010-2011   **Wikimedia Foundation**
Strategic Development Team

2010-2011   **La Poste**
Institut de Recherches et de Prospective Postale

Education

2005   **PhD in Cognitive Science** (highest honors)
École des Hautes Études en Sciences Sociales, France
ADVISOR : Roberto Casati, CNRS

2001   **MSc in Cognitive Science**
École des Hautes Études en Sciences Sociales, France
ADVISORS: Pierre Jacob, CNRS; Kevin O'Regan, Université Paris 5

2000   **MA in Philosophy of Science** (highest honors)
Università di Pisa, Italy
ADVISORS: Guglielmo Tamburrini, Università di Pisa; Adriana Fiorentini, CNR

2000   ***Licenza* in Philosophy** (highest honors)
Scuola Normale Superiore di Pisa, Italy

Grants & awards

2012   Gold prize (Interactive Visualization), *Information is Beautiful Awards.*

2006-2008   Marie Curie fellowship (EIF) for postdoctoral research (2 years), *EU 6th Framework Programme.*

2006   Qualification for the grade of *Maître de Conférences* (ass. prof.), *French Council of Universities.*

2001-2004   Doctoral research fellowship (3 years), *French Ministry for Education, Research and Technology.*

2001-2002   Postgraduate research fellowship (12 months), *Università della Calabria*, Italy.

2000-2001   Postgraduate research fellowship (12 months), *Tovini Foundation*, Brescia, Italy.

2000   Postgraduate fellowship (12 months), *École Normale Supérieure*, Paris.

1998-1999   Visiting fellowship (6 months), *Ruhr-Universität Bochum*, Germany.

1995-1999   Admission and undergraduate scholarship (4 years), *Scuola Normale Superiore*, Pisa, Italy.

Service to the profession

Editorial

2011-present   Co-editor, Wikimedia Research Newsletter, *Wikimedia Foundation.*

2011-present   Executive Editor, Review of Philosophy and Psychology, *Springer* (ISSN 1878-5158).

2009-2011   Co-founder & Editor-in-Chief, Review of Philosophy and Psychology.

2006-2009   Editor-in-Chief, European Review of Philosophy, *CSLI Publications, Stanford* (ISSN 1098-7274).

2004-2006   Executive Editor, European Review of Philosophy.

2002-2005   Co-editor, Jean Nicod Electronic Archives.

Advisory

2012-present   Public Library of Science
A nonprofit scientific publishing project aimed at creating a library of open-access journals
(member of the article-level metrics technical advisory board).

2012-present	WikiData
	A free, collaborative, multilingual database, collecting structured data for Wikipedia
	(member of the advisory board).
2009-present	Lettera 27 Foundation
	A nonprofit foundation promoting digital literacy and access to knowledge in developing countries
	(member of the advisory board).

Referee

Ad-hoc reviewer: First Monday; Journal of Computer-Mediated Communication; Journal of Artificial Societies and Social Simulation; Review of Philosophy and Psychology; European Review of Philosophy.

Scientific and Programme Committees: WikiSym 13 (ACM 2013); WikiSym 12 (ACM 2012); Wikipedia Academy (Wikimedia Germany, 2012); SocInfo 11; RDSRP 11 (I-KNOW 2011); WikiSym 11 (ACM 2011); QTESO 10 (IEEE, 2010); SocInfo 10 (IIASA, 2010); WikiSym 10 (ACM, 2010); Mobile A2K (Rockefeller Foundation, 2009); WikiSym 09 (ACM, 2009); Scientific Publications 3.0 (FP6, 2008); Beyond the Brain: Embodied, Situated and Distributed Cognition, (UQAM, 2006); What Do Mirror Neurons Mean? (European Science Foundation, 2005); Enaction (FP6 ENACTIVE project, 2005).

Organization of scientific events

2012	altmetrics12: Tracking scholarly impact on the Social Web
	ACM WebScience Conference 2012, Evanston, IL
	21 June 2012 (co-chairs: Jason Priem and Paul Groth).
2011	WikiViz 2011: Visualizing the impact of Wikipedia
	ACM WikiSym 2011 Symposium, Mountain View, CA
	3-5 October 2011 (co-chair: Felipe Ortega).
2011	altmetrics11: Tracking scholarly impact on the Social Web
	ACM WebScience Conference 2011, Koblenz
	14-16 June 2011 (co-chairs: Jason Priem and Paul Groth).
2010	QualityCommons : Collective quality representations
	Maison de la Recherche, Université Paris IV-Sorbonne
	28-29 January 2010 (co-chairs: Camille Roth and Nigel Gilbert).

Participation in research consortia

2010	**Quality Collectives** (QLECTIVES)
	FET Programme (FP7): FP7-ICT-231200.
2008-2010	**Pattern Resilience** (PATRES)
	STREP (FP6): NEST-043268.
2006-2008	**Cognition in Structured Electronic Environments** (CSEE)
	Marie Curie Programme (FP6): MEIF-CT-2006-024460.
2005-2006	**Enactive Interfaces** (ENACTIVE)
	Network of Excellence (FP6): IST-2002-002114.

Other affiliations

2010-2012	Wikimedia Research Committee
2009-2010	European Social Simulation Association (ESSA).
2007-2010	European Society for Philosophy and Psychology (ESPP).
2006-2007	Marie Curie Fellow Association (MCFA).

Programming experience

2011   **Total-Impact**
A Web service tracking a broad range of impact metrics for scholarly artefacts (contributor).

2011   **Notabilia**
A visualization of Wikipedia's longest Article for Deletion discussions, with Moritz Stefaner (visualization) and Giovanni Luca Ciampaglia (data analysis).

2010-present   **ReaderMeter**
A Web service providing real-time author readership statistics (founder and developer).

2008-2010   **WikiTracer**
A prototype Web service providing cross-platform analytics for wikis (developer).

2007-2010   **Flickr Group Trackr**
A Web service tracking and visualizing group activity metrics in Flickr (developer).

2004-2010   **WikkaWiki**
A lightweight, standards-compliant, PHP/MySQL wiki engine (developer; since 2006: project leader).

2003   **IJN Library Management System**
An e-catalogue and loan management system for the library of the Jean Nicod Institute (developer).

2002   **IJN Content Management System**
A content management system for the Jean Nicod Institute (developer).

2002   **S&M Content Management System**
A content management system for the "Sémantique et Modélisation" research network (developer).

IT & programming skills

Data analysis (Mathematica, R, Python).

Scripting languages (PHP, Python, shell script, JavaScript).

Markup languages (HTML, CSS, XML, JSON).

Query languages (SQL).

Social network analysis (Pajek, NetworkX, Gephi).

Agent-based modelling (Netlogo).

Revision control (Git, Subversion).

Digital typesetting (TeX, LaTeX, X⅃TeX).

Languages

Italian (native speaker)

English (professional proficiency)

French (professional proficiency)

German (intermediate proficiency)

Dutch (elementary proficiency)

Publications

1. Journal articles

J. Priem, P. Groth, **D. Taraborelli**, The Altmetrics Collection, *PLOS One*, 7(11), 2012.[DOI] [PDF]

C. Heintz, **D. Taraborelli**, Editorial: Folk Epistemology: The Cognitive Bases of Epistemic Evaluation, *Review of Philosophy and Psychology*, 1(4), 2010.[DOI] [PDF]

D. Taraborelli, R. Casati, P. Egré, C. Heintz, Preface: The Review of Philosophy and Psychology, *Review of Philosophy and Psychology*, 1(1), 2010.[DOI] [HTML]

C. Roth, **D. Taraborelli**, N. Gilbert, Démographie des communautés en ligne: le cas des wikis, *Réseaux*, 26 (152) 2008, 205-240.[DOI] [PDF]

M. Mossio, **D. Taraborelli**, Action-dependent perceptual invariants. From ecological to sensorimotor approaches, *Consciousness & Cognition*, 17 (2008), 1324-1340.[DOI] [PDF]

D. Taraborelli, M. Mossio, On the relation between the enactive and the sensorimotor approach to perception, *Consciousness & Cognition*, 17 (2008), 1343-1344.[DOI] [PDF]

D. Taraborelli, Verso una nuova frenologia? Considerazioni sull'uso dei metodi di brain imaging e di strategie sottrattive per lo studio della cognizione e delle sue basi neurali, *Logic and Philosophy of Science*, 1(1) 2003.[PDF]

2. Refereed conference papers

A. Halfaker, O. Keyes, **D. Taraborelli**. Making Peripheral Participation Legitimate: Reader engagement experiments in Wikipedia. *16th ACM Conference on Computer Supported Cooperative Work and Social Computing* (CSCW 2013), San Antonio, TX, February 23-27, 2013.[PDF]

D. Taraborelli, G.L. Ciampaglia, Beyond notability. Collective deliberation on content inclusion in Wikipedia. *Fourth IEEE International Conference on Self-Adaptive and Self-Organizing Systems Workshops* (SASOW 2010), Budapest, September 27- October 1, 2010.[DOI] [PDF]

C. Roth, **D. Taraborelli**, N. Gilbert, Measuring wiki viability. An empirical assessment of the social dynamics of a large sample of wikis. *Proceedings of the 2008 International Symposium on Wikis* (WikiSym 2008), ACM Press, New York, NY, 2008.[DOI] [PDF]

D. Taraborelli, Soft peer review. Social software and distributed scientific evaluation. *Proceedings of the 8th International Conference on the Design of Cooperative Systems* (COOP 08), Carry-le-Rouet, France, May 20-23, 2008.[PDF]

D. Taraborelli, A. Eraña, Drilling down to modules. On the need of individuation criteria for cognitive modularity. *15th Annual Meeting of the European Society for Philosophy and Psychology* (ESPP 2007), Geneva, 9-12 July 2007.[HTML]

D. Taraborelli, Soft deference. How the Web is changing the way we trust. *5th European Computing and Philosophy Conference* (ECAP 2007), Enschede, 21-23 June 2007.[PDF]

M. Mossio, **D. Taraborelli**, Why distinguish action from motion in defining perceptual invariants. *Interactivist Summer Institute* (ISI 2007), Paris, 26-29 May 2007.

D. Taraborelli, Perceptual shunts, *"Brains, Persons, and Society": 7th Annual Meeting of the Italian Society for Analytic Philosophy*, (SIFA 2006), Milano, 28-30 September 2006.[HTML]

D. Taraborelli, M. Mossio, Spatial Cognition: From internal representations to sensorimotor rules, *1st Joint Conference of the Italian Society for Analytic Philosophy and the Italian Association for Cognitive Science* (SIFA/AISC 2003), Vietri sul Mare, Italy, 2-3 October 2003.[PDF]

D. Taraborelli, What is a "feature"? A meta-analysis of selection criteria for salient visual properties, *26th European Conference on Visual Perception* - (ECVP 2003), Paris, 1-5 September 2003.[PDF]

D. Taraborelli, What is a "feature"? A fast and frugal approach to the study of visual properties *8th International Colloquium on Cognitive Science* - (ICCS 2003), San Sebastian, Spain, 7-10 May 2003.[PDF]

D. Taraborelli, Feature binding and object perception. Does object awareness require feature conjunction? *10th Annual Meeting of the European Society for Philosophy and Psychology* (ESPP 2002), Lyon, France, 10-13 July 2002.[PDF]

3. Edited volumes

C. Roth, **D. Taraborelli**, N. Gilbert (Eds.), Quality Commons: Collective representations of quality, *Mind & Society*, 10(2) 2011.[DOI]

C. Heintz, **D. Taraborelli**, N. Pouscoulous (Eds.), Folk Epistemology, *Review of Philosophy and Psychology*, 1(4) 2010.[HTML]

4. Book chapters

D. Taraborelli, C. Roth, Viable Web communities: Two case studies, in: N. Gilbert, G. Deffuant (Eds.), *Pattern Resilience*, Springer, 2011. [DOI] [PDF]

J. Battersby, Y. Kandelman, **D. Taraborelli**, Time-warped maps: Mapping the mental image of a city through travel distances, in I. Pensa, R. Casati (Eds.) *Mobile A2K: Resources, Interfaces, Contents for Urban Transformation*, interdisciplines.org, 2010.[HTML]

D. Taraborelli, Heurísticas sencillas para la evaluación de autoridad, in: A. Eraña and G. Mateos Gonzáles (Eds.), *La cognición como proceso cultural*, UNAM Press, Mexico, 2009.[PDF]

D. Taraborelli, How the Web is changing the way we trust, in: A. Briggle, K. Waelbers, P.A.E. Brey (Eds.), *Current Issues in Computing and Philosophy*, IOS Press, Amsterdam, 2008.[PDF]

A. Baldassarri, A. Barrat, A. Capocci, H. Halpin, U. Lehner, J. Ramasco, V. Robu, **D. Taraborelli**, The Berners-Lee Hypothesis: Power laws and Group Structure in Flickr, In: H. Alani, S. Staab, and G. Stumme (Eds.), *Social Web Communities* (08391), Dagstuhl Seminar Proceedings, Dagstuhl, Germany, 2008.[PDF]

Á. Eraña, B. Sylvand, **D. Taraborelli**, Tracking agency, in: R. Casati (Ed.) *Reference to Objects*, interdisciplines.org, 2005.[PDF]

5. Refereed conference posters

M. Mossio, **D. Taraborelli**, Framing the concept of action-dependent perceptual invariants. From ecological to sensorimotor approaches, *Perception, Action, Consciousness. Sensorimotor Dynamics and Dual Vision* (PAC 2007), Bristol, 1-3 July 2007.

M. Mossio, **D. Taraborelli**, Framing the concept of action-dependent perceptual invariants. From ecological to sensorimotor approaches, *33rd Annual Meeting of the Society for Philosophy and Psychology* (SPP 2007), York University, Toronto, 14-17 June 2007.

D. Taraborelli, How not to be fooled by cardboard rabbits. Heuristics for epistemic reliability judgments in the World Wide Web, *2nd International Conference on Persuasive Technology* (PERSUASIVE 07, Stanford University, 27-28 April 2007.

6. Unpublished works

D. Taraborelli, *Basic Features in Vision*, PhD Dissertation in Cognitive Science, École des Hautes Études en Sciences Sociales, October 2005.[PDF]

D. Taraborelli, *Flexible architectures for mandatory modules: A reply to Sperber's Modularity and Relevance*, 2005.[PDF]

D. Taraborelli, *Les problèmes du liage perceptif sont-ils bien posés? Une critique épistémologique du concept de "binding" et des "feature integration theories"*, MSc Thesis in Cognitive Science, École des Hautes Études en Sciences Sociales, June 2001.

D. Taraborelli, *Mappe della mente. Paradigmi sperimentali per la scomposizione e la localizzazione dei processi cognitivi*, MA Thesis in Philosophy of Science, Università di Pisa, July 2000.[HTML]

7. Reports & white papers

J.Priem, **D. Taraborelli**, P. Groth, C. Neylon. altmetrics: A manifesto, 2010.[HTML]

D. Taraborelli, C. Roth, N. Gilbert, Measuring wiki viability (II). Towards a standard framework for tracking content-based online communities, PATRES project, 2008.[PDF]

D. Taraborelli, The Beauty of LaTeX , 2008.[HTML]

D. Taraborelli, INSTITUTNICOD.ORG: Rapport sur l'impact du site sur la visibilité du laboratoire (2001-2005), Paris, 17 May 2005.[PDF]

Recent communications

2013   Wikimania 2013, *Hong Kong*, August 2013.

2013   WikiSym 2013 (keynote), *Hong Kong*, August 2013.

2013   American Association for the Advancement of Science, *Boston*, February 2013.

2012   Hypothes.is reputation workshop, *San Francisco*, February 2012.

2012   Science Online 2012, *North Carolina State University*, January 2012.

2011   COASP 2011, *Tallinn*, September 2011.

2011   Wikimania 2011, *Haifa*, August 2011.

2010   Knowledge Media Institute, *Open University*, November 2010.

2010   Polish-Japanese Institute of Information Technology, *Warsaw*, September 2010.

2010   Science Online London 2010 (SOLO 10), *London*, September 2010.

2010   Department of Sociology, *University of Surrey*, June 2010.

2010   Department of Philosophy, *University of Milan*, May 2010.

2010   Laboratoire Techniques, Territoires et Sociétés, CNRS, *Paris*, March 2010.

2010   Department of Organisation Management, *Burgundy School of Business, Dijon*, March 2010.

2010   QualityCommons Workshop, *Maison de la Recherche, Paris*, January 2010.

Press

2012   Scholars Seek Better Ways to Track Impact Online, *Chronicle of Higher Education*

2012   Wikimedia data and peer production, *Future Journalism Project*