

# Camille Roth

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## Education

*Ph.D. in Social Science*

ÉCOLE POLYTECHNIQUE, PARIS, 2005

*Ingénieur des Ponts*

ÉCOLE DES PONTS & CHAUSSÉES, PARIS, 2002

*M.Sc. in Cognitive Science*

EHESS, PARIS, 2002

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**Languages**      **French** (mother tongue), **English** (fluent), **German** (fluent), **Italian** (avg), **Spanish** (avg).

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## Current situation

CNRS (NATIONAL CENTER OF SCIENTIFIC RESEARCH), FRANCE

2008–now

Tenured full researcher, Computer science

Centre Marc Bloch Berlin (CNRS/BMBF/HU/MAEE) [2012-16, 2018-now], CAMS (CNRS/EHESS) [2008-12]  
on secondment as Associate Professor at Sciences Po, 2016-18

## Past positions

SCIENCESPO, PARIS

2016–18

Associate Professor (“professeur”), Sociology

UNIVERSITÉ DE TOULOUSE-I

2007–08

Lecturer (tenured), Sociology

GRESS (CENTRE OF RESEARCH IN SOCIAL SIMULATION),  
DEPARTMENT OF SOCIOLOGY, UNIVERSITY OF SURREY, UNITED KINGDOM.

2007

Research fellow (with Nigel Gilbert)

ECLT (EUROPEAN CENTER FOR LIVING TECHNOLOGY), VENICE, ITALY  
AND DEPARTMENT OF SOCIAL AND COGNITIVE SCIENCE, UNIVERSITY OF MODENA, ITALY

2005–06

Research fellow (with David A. Lane)

CNRS (NATIONAL CENTER OF SCIENTIFIC RESEARCH), PARIS, FRANCE

2002–05

Doctoral fellow (with Paul Bourguin at CREA, CNRS/Ecole Polytechnique)

MINISTRY OF EQUIPMENT, TRANSPORT AND HOUSING, PARIS, FRANCE

2002

Advisor, Direction for Economic and International Affairs

WORLD BUSINESS, INC., WASHINGTON, DC, USA

2000–01

Junior Consultant in project financing

LIP6 (COMPUTER SCIENCE LABORATORY OF PARIS VI)  
UNIVERSITY OF PARIS VI–CNRS, PARIS, FRANCE.

1999

Internship in Artificial Intelligence

## Synthesis of academic activities

### PUBLICATIONS

- More than 50 peer-reviewed articles  
(see detailed list of publications at <http://camille.roth.free.fr/papers.php>)

### PI / MAIN GRANTS

- **ERC**
  - SOCSEMICS, Consolidator Grant, ~1.8M€, 2018-23.  
Socio-Semantic Bubbles of Internet Communities.
- **European grants**
  - QLECTIVES (Quality Collectives)  
(main PI: N. Gilbert, U. Surrey, 2009–2013, 5M€, including 300k€ for CNRS).  
Website: <http://www.qlectives.eu>
- **ANR (French National level)**
  - ALGODIV, 2016–19 (diversity and algorithmic diversity)  
as **main PI** (600k€, including 200k€ for CNRS).
  - ALGOPOL, 2012–15 (information circulation and politics of algorithms)  
as **main PI** (430k€, including 200k€ for CNRS).  
Website: <http://algotpol.fr>
  - SIMPA, 2009–12 (simulation of kinship)  
(main PI: F. Héran, INED, 350k€, including 85k€ for CNRS).  
Website: <http://www.projet-simpa.net>
  - WEBFLUENCE, 2009–10 (socio-semantic web structure and authority phenomena)  
as **main PI** (2009–2010, 450k€, including 200k€ for CNRS).  
Website: <http://webfluence.csregistry.org>
- **Miscellaneous**
  - ARESOS “Analyse de Réseaux Socio-sémantiques” (CNRS funding [MI]), ~80k€ per year for about 10 partners; PI at CAMS then at CMB; main PI: P. Gallinari [LIP6])
  - Bubbles of the Digital Public Space (), 60k€, 2017-19, coordinateur principal.
  - Einstein-Zirkel “Digital Humanities in Berlin” (co-submitter, Einstein-Stiftung funded, co-PI at CMB, 2013-15), “Glob-Cell” (PI, ISC-PIF funding, 2008), PEPS EXPAC (co-submitter, CNRS funding, co-PI at CMB), each about ~10k€

### SUPERVISION

- **Post-doctoral researchers:**
  - Lou Charaudeau (2015, Algotpol, Aresos),
  - Chih-Chun Chen (2010–2013, Qlectives),
  - Floriana Gargiulo (2010–2012, SIMPA),
  - Léda Mansour (2014, Aresos),
  - Antoine Mazières (2016–now, INRA, Algotdiv),
  - Telmo Menezes (2010–now, Webfluence, Qlectives, Algotpol, Aresos, Algotdiv),
  - Bivas Mitra (2010–11, Webfluence).
- **Doctoral students:**
  - Joyce Bessis (Sciences Po., with A. v. Busekist, 2012–now),
  - Sébastien Lérique (EHESS, with J.-P. Nadal, 2013–2017);as co-funder:
  - Lionel Tabourier (2009–10, Webfluence; UPMC),

- Carla Taramasco (2009–10, Webfluence; École Polytechnique)
- **MSc. theses:** Jérémie Poiroux (2017, ENS Lyon), Sébastien Lérique (2011-12, Cogmaster EHESS), Emmanuel Raffié (2008, SCAT U. Toulouse-1), Carla Taramasco (2006, Cogmaster EHESS), Jean-Philippe Cointet (avec P. Bourguine, 2005, AIV ENS Ulm).
- **Visiting students:** Céline Alameda (2014, IRIT), Dominic Hunt (2011, MSc ComplexSystems Ecole Polytechnique), Eloïse Layan (2009, Cogmaster EHESS), scientific interns from Ecole des Ponts (eight interns between 2007 and 2008) and from École Polytechnique (six interns in 2009).

## TEACHING

- Regular courses:

<i>Modeling in social sciences</i>	MSc	Sciences Po	2017–	30h	EN
		Humboldt-U. Berlin	2012-14	10h	EN
		Toulouse-I	2007-09	20h	FR
		Modena e Reggio Emilia	2005-06	10h	EN
<i>Sociology of the Internet</i>	MSc	Sciences Po	2016–	100h	EN
		Luzern	2014-16	60h	DE
		Humboldt-U. Berlin	2014-15	30h	
<i>Modeling of complex systems</i>	MSc	École Polytechnique	2010-12	20h	EN
<i>Social Network Analysis</i>	MSc	Toulouse-I	2007-09	20h	FR
<i>General sociology</i>	Lic.	Toulouse-I	2007-08	160h	FR
<i>Mathematics</i>	Lic.	Université Cergy-Pontoise	2002-04	96h	FR
		Lycée Fénélon	2002-05	200h	

- Invited courses in various international or national summer/topical schools, eight invitations since 2011: CNRS summer schools “social networks” and “QuantilLille”, Summer Schools at St-Petersburg, ISC-PIF and as satellite events of ESSA and WEHIA.

## ORGANIZATION

- Organizer of the “Closing Workshop of the ANR Project Algopol / Information circulation and algorithms”, EHESS, Paris, 11 avril 2016
- Co-organizer of the Berlin-Brandenburg Computational Social Science Workshop 2015 (with F Ghanbarnejad).
- Co-organizer of the Workshop “Science des Données et Humanités Numériques du projet ARESOS” at ISC-PIF in Nov 2015 (with P Gallinari and D Chavalarias)
- Co-chair of MARAMI’2013
- Tutorial co-chair of SocInfo 2012
- Quality Commons, joint workshop CAMS / CRESS (U. Surrey, GB) with N Gilbert and D Taraborelli, Maison de la Recherche, Jan 2010 (special issue of Mind & Society).
- Co-organizer of the workshop “Social Network Analysis” at ICFCGA 2007 in Clermont-Ferrand, with S Obiedkov; edition of the corresponding proceedings.

## COLLECTIVE DUTIES

- *At Centre Marc Bloch:* founder in 2012 of the “Digital Humanities and Computational Social Science” team, co-founder and co-organizer of the workgroups “Collective creation and epistemic communities” since 2013, and “Qual-Quant Encounters” since 2015; elected member of the lab council (2013 and 2014)
- *Responsabilités au médialab:* membre élu du conseil de laboratoire depuis 2016; en outre en charge avec A Baneyx de l’organisation séminaire du laboratoire.
- Pedagogical board member of the Masters in Sociology at EHESS, 2016–now
- EU COST Action “PEERE” on peer-review: management committee member (2014-18)
- PhD jury member: Matteo Morini (ENS Lyon’17), Kévin Chapuis (UPMC’16), François Nel (UPMC’11), Lionel Tabourier (UPMC’10)

## EDITORIAL COMMITTEES

- Program committee of:  
ASONAM 2015,17, CLA Concept Lattices & Applications 2010-11-12-13-14-16,18, ICFCA Intl Conf Formal Concept Lattices 2008-09-10-11-12-13, ICWSM Intl Conf Web and Social Media 2012,18, EPOS Epistemological Perspectives on Simulation 2008-12, 3PGCIC 2013, ESSA European Social Simulation Association 2007-08-09, GESIS CSSWS Comp Soc Sci Winter Symposium 2014-15, ISWC Intl Sem. Web Conf. 2015,17, ESWC Eur. Sem. Web Conf 2015-16-17, QTESO 2010, Algotel 2009, WikiSym 2009, SS@IJCAI Sat-WS IJCAI 2009, WIN-2011 (Workshop Interdependent Networks) @ ACM HT 2011, WDN 2010, WikiSym 2010-11-12, The Web Conference 2018, NetSciCom 2016 (8th IEEE Workshop Network Science Comm Networks), 2nd EUSN Eur. Conf. Soc. Net 2016.
- Editorial board member of *Intellectica* (since 2014)
- Occasional referee for, *inter alia*:  
ACS Advances in Complex Systems ('08,'11,'11,'12), American Antiquity ('09), Annals of Maths and AI ('12), Cognitive Science ('15), Communication ('14), Discrete Applied Mathematics ('15,'16,'17), Field Methods ('12), JASIST ('11), JASSS J. Artif. Societies & Soc. Simulations ('08,'09,'10,'11,'16), J. Complex Networks ('15), J. Data Mining & Digital Humanities ('15), JSTAT ('15), Knowledge-based Systems ('11,'12,'13), Mathématiques & Sciences Humaines ('10,'13), Neurocomputing ('10), Physica A ('13,'13,'13,'14,'17), Phys. Rev. E ('10), Physics Letters A ('09), PLoS One ('11,'11,'13,'13,'14,'15), Research Policy ('08,'09), SDEAS, SNAM ('17), Social Networks ('10,'11,'12,'13,'13,'14,'16,'17), Sociologie ('15,'16)

#### EXPERT ASSISTANCE

- Scientific reviewing of grant/collaborative proposals, including: sollicitations multiples de l'ANR, ponctuelles de l'ERC, CRSH Canada, NWO, NSF, SNF Suisse, NCN Pologne, FQSC Québec, Région Rhône-Alpes.
- Consulting missions for French Ministry of Research (2009-10), La Poste (2010, 18)

#### AWARDS

- EAS Prize for Best Article 2011, IEEE SocialCom Best Paper 2009, CNRS BDI fellowship 2002.