

Camille Roth

Publications & communications

1 Publications

Journals with refereeing

INTERNATIONAL JOURNALS

- I1. “*Tubes & Bubbles – Topological confinement of YouTube recommendations*”, Camille Roth, Antoine Mazières, Telmo Menezes, *PLOS ONE*, to appear.
- I2. “*The Socio-Semantic Space of John Mohr*”, Camille Roth, Nikita Basov, *Poetics*, to appear.
- I3. “*Bureaucratic Representation and the Rejection Hypothesis: A Longitudinal Study of the European Commission’s Staff Composition (1980–2013)*”, Magali Gravier, Camille Roth, *Journal of Public Administration Research and Theory (JPART)*, 30(1):4–21, 2020.
- I4. “*Interactional and Informational Attention on Twitter*”, Agathe Baltzer, Márton Karsai, Camille Roth, *Information*, 10(8):250, 2019.
- I5. “*Digital, Digitized, and Numerical Humanities*”, Camille Roth, *Digital Scholarship in the Humanities*, 34(3):616-632, 2019.
- I6. “*Algorithmic Distortion of Informational Landscapes*”, Camille Roth, *Intellectica*, 2019/1, vol. 70(1):97-118.
- I7. “*Large-Scale Diversity Estimation Through Surname Origin Inference*”, Antoine Mazières, Camille Roth, *Bulletin of Sociological Methodology*, 139(1):59–73, 2018.
- I8. “*The semantic drift of quotations in blogspace: a case study in short-term cultural evolution*”, Sébastien Lérique, Camille Roth, *Cognitive Science*, 42(1):188-219, 2018.
- I9. “*Natural Scales in Geographical Patterns*”, Telmo Menezes, Camille Roth. *Scientific Reports (Nature)*, 7:45823, 2017.
- I10. “*New simulation techniques in kinship network analysis*”, Telmo Menezes, Floriana Gargiulo, Camille Roth, Klaus Hamberger, *Structure and Dynamics*, 9(2), 2016.
- I11. “*Symbolic regression of generative network models*”, Telmo Menezes, Camille Roth, *Scientific Reports (Nature)*, 4:6284, 2014.
- I12. “*Scaling in Transportation Networks*”, Rémi Louf, Camille Roth, Marc Barthélemy, *PLoS One*, 9(7), 2014, e102007.
- I13. “*Automatic Discovery of Agent Based Models: an Application to Social Anthropology*”, Telmo Menezes, Camille Roth, *Advances in Complex Systems*, 16(7):1350027, 2014.

- I14. “Random Alliance Networks”, [Camille Roth](#), Floriana Gargiulo, Arnaud Bringé, Klaus Hamberger, *Social Networks*, 35(3), 2013, pp. 394–405.
- I15. “Socio-Semantic Frameworks”, [Camille Roth](#), *Advances in Complex Systems*, 16(4-5), 2013, pp. 1–26.
- I16. “A long-time limit for world subway networks”, [Camille Roth](#), Soong Moon Kang, Michael Batty, Marc Barthelemy, *Journal of the Royal Society Interface*, 9(75), 2012, pp. 2540–2550.
- I17. “Intrinsically Dynamic Network Communities”, Bivas Mitra, Lionel Tabourier, [Camille Roth](#), *Computer Networks*, 56(3), 2012, pp. 1041–1053.
- I18. “Assessing impact and quality from local dynamics of citation networks”, [Camille Roth](#), Jiang Wu, Sergi Lozano, *Journal of Informetrics*, 6(1), 2012, pp. 111–120.
- I19. “Generating constrained random graphs using multiple edge switches”, Lionel Tabourier, [Camille Roth](#), Jean-Philippe Cointet, *ACM Journal of Experimental Algorithmics*, 16:1.7, 2011.
- I20. “Finding the Semantic-Level Precursors on a Blog Network”, Telmo Menezes, Jean-Philippe Cointet, [Camille Roth](#), *Int. J. of Social Computing and Cyber-Physical Systems*, 1(2), 2011, pp. 115–134.
- I21. “Structure of urban movements: polycentric activity and entangled hierarchical flows”, [Camille Roth](#), Soong Moon Kang, Michael Batty, Marc Barthélémy, *PLoS One*, 6(1), 2011, e15923.
- I22. “Academic team formation as evolving hypergraphs”, Carla Taramasco, Jean-Philippe Cointet, [Camille Roth](#), *Scientometrics*, 85(3), 2010, pp. 721–740.
- I23. “Social and Semantic Coevolution in Knowledge Networks”, [Camille Roth](#), Jean-Philippe Cointet, *Social Networks*, 32(1), 2010, pp. 16–29. **Eur. Acad. Soc. “Prize for Best Article 2011”**.
- I24. “On Succinct Representation of Knowledge Community Taxonomies with Formal Concept Analysis”, [Camille Roth](#), Sergei Obiedkov, Derrick G. Kourie, *IJFCS (Intl Journal of Foundations of Computer Science)*, 19(2), 2008, pp. 383–404.
- I25. “How Realistic Should Knowledge Diffusion Models Be?”, Jean-Philippe Cointet, [Camille Roth](#), *Journal of Artificial Societies and Social Simulation*, 10(3):5, 2007, 20 pp.
- I26. “Empiricism for descriptive social network models”, [Camille Roth](#), *Physica A*, 378(1), 2007, pp. 53–58.
- I27. “Lattice-based dynamic and overlapping taxonomies: The case of epistemic communities”, [Camille Roth](#), Paul Bourguine, *Scientometrics*, 69(2), 2006, pp. 429–447.
- I28. “Co-evolution in Epistemic Networks – Reconstructing social complex systems”, [Camille Roth](#), PhD dissertation published as a special issue of *Structure and Dynamics: eJournal of Anthropological and Related Sciences*, 1(3), article 2, 2006, pp. 3–163.
- I29. “Epistemic communities: Description and Hierarchic Categorization”, [Camille Roth](#), Paul Bourguine, *Mathematical Population Studies*, 12(2), 2005, pp. 107–131.

NATIONAL JOURNALS

- N1. “Génération de graphes aléatoires par échanges multiples d’arêtes”, Lionel Tabourier, Jean-Philippe Cointet, Camille Roth, *Journal de la Société Française de Statistiques*, 158(2), 2017, pp. 118–134.
- N2. “Topographie de la renommée en ligne. Un modèle structurel des communautés thématiques du web français et allemand”, Dominique Cardon, Guilhem Fouetillou, Camille Roth, *Réseaux*, 188(6), 2014, pp. 85–120.
- N3. “Co-évolution des auteurs et des concepts dans les réseaux épistémiques: le cas de la communauté zebrafish”, Camille Roth, *Revue Française de Sociologie*, 48(2), 2008, pp. 333–367.
- N4. “Réseaux épistémiques: formaliser la cognition distribuée”, Camille Roth, *Sociologie du Travail*, 50, 2008, pp. 353–371.
- N5. “Viabilité des wikis”, Camille Roth, Dario Taraborelli, Nigel Gilbert, *Réseaux*, 152(6), 2008, pp. 205–240.
- N6. “Systèmes complexes sociaux et validation empirique”, Camille Roth, *Sociétés*, special issue on complexity, 98(4), 2007, pp. 53–64.
- N7. “La reconstruction en sciences sociales: le cas des réseaux de savoirs”, Camille Roth, *Nouvelles Perspectives en Sciences Sociales*, 2(2), 2007, pp. 59–101.

Book chapters / published proceedings of conferences with refereeing (ISBN)

- B1. “Automatic Discovery of Families of Network Generative Processes”, Telmo Menezes, Camille Roth, in *Dynamics on and of Complex Networks, Volume III: “Machine Learning and Statistical Physics”*, F. Ghanbarnejad, R. S. Roy, F. Karimi, J.-C. Delvenne, B. Mitra Eds., Springer Proceedings in Complexity, Cham: Springer, 2019, pp. 83–111.
- B2. “Knowledge Communities and Socio-Cognitive Taxonomies”, Camille Roth, in *Formal Concept Analysis of Social Networks*, R. Missaoui, S. Kuznetsov, S. Obiedkov Eds., Lecture Notes in Social Networks, Springer (ISBN 978-3-319-64166-9), 2017, pp. 1–18.
- B3. “Social Media-Based Collaborative Information Access: Analysis of Online Crisis-Related Twitter Conversations”, Lynda Tamine, Laure Soulier, Lamjed Ben Jabeur, Frédéric Amblard, Chihab Hanachi, Gilles Hubert, Camille Roth, *Proceedings of HT’16 27th ACM Conference on Hypertext and Social Media*, ACM (ISBN 978-1-4503-4247-6), Halifax, NS, Canada, July 10-13, 2016, pp. 159–168.
- B4. “*{Citation needed}*: The dynamics of referencing in Wikipedia”, Chih-Chun Chen, Camille Roth, *Proceedings of WikiSym’12 8th Intl Symposium on Wikis and Open Collaboration*, ACM (ISBN 978-1-4503-1605-7), Linz, Austria, August 27-29,, 2012.
- B5. “The role of (non-)conformism in rating platforms”, Chih-Chun Chen, Camille Roth, *Proceedings of SocialCom’11 IEEE Intl Conf on Social Computing*, IEEE Press (ISBN 978-1-4577-1931-8), Boston, USA, Oct 9-11,, 2011, pp. 347–353.
- B6. “Viable Web Communities: Two Case Studies”, Dario Taraborelli, Camille Roth, in *Viability and Resilience of Complex Systems*, G. Deffuant, N. Gilbert Eds., Springer, (ISBN 978-3-642-20422-7); 2011, pp. 75–105.

- B7.** “*Two Paths of Glory: Structural position and trajectories of websites within their topical community*”, Dominique Cardon, Guilhem Fouetillou, Camille Roth, Proceedings of ICWSM 5th AAAI Intl Conf on Weblogs and Social Media, AAAI Press (ISBN 978-1-57735-505-2), Barcelona, Spain, July , 17-21, 2011, pp.58–65.
- B8.** “*Communautés, analyse structurale et réseaux socio-sémantiques*”, Camille Roth, in *Faire communauté en société – Dynamique des appartenances collectives*, I. Sainsaulieu, L. Amiotte-Suchet, M. Salzbrunn Eds., Presses Universitaires de Rennes (ISBN 978-2-7535-1029-6); 2010, pp. 113–128.
- B9.** “*Motivations and constraints to member engagement in Flickr groups*”, Chih-Chun Chen, Camille Roth, Proceedings of QTESO Quality in Techno-Social Systems Workshop, IEEE SASO Self-Adaptive and Self-Organizing Systems Intl. Conf., IEEE Press (ISBN 978-1-4244-8684-7), Budapest, Hungary, Sep , 28, 2010, pp.126–130.
- B10.** “*Precursors and Laggards: An Analysis of Semantic Temporal Relationships on a Blog Network*”, Telmo Menezes, Camille Roth, Jean-Philippe Cointet, Proceedings of 2nd IEEE SocialCom Intl. Conf. on Social Computing, IEEE Press (ISBN 978-0-7695-4211-9); Minneapolis, MN, USA, August 20-22,, 2010, pp.120–127.
- B11.** “*Local Networks, Local Topics: Structural and Semantic Proximity in Blogspace*”, Jean-Philippe Cointet, Camille Roth, Proceedings of ICWSM 4th AAAI Intl Conf on Weblogs and Social Media, AAAI Press (ISBN 978-1-57735-445-1); Washington, DC, USA, May , 2010, pp.223–226 (short paper).
- B12.** “*Approaches to the selection of relevant concepts in the case of noisy data*”, Mikhail Klimushkin, Sergei Obiedkov, Camille Roth, Proceedings of ICFCA 8th Intl Conf Formal Concept Analysis, Springer LNCS book series, LNAI 5986 (ISBN 978-3-642-11927-9); Agadir, Morocco, March , 2010, pp.255–266 (long paper).
- B13.** “*Socio-semantic Dynamics in a Blog Network*”, Jean-Philippe Cointet, Camille Roth, Proceedings of IEEE SocialCom Intl Conference on Social Computing, Vancouver, Canada, August , 2009, IEEE Press (ISBN 978-1-4244-5334-4), pp.114–121 (long paper) — “**Best Paper Award**”
- B14.** “*Reconstruction Failures: Questioning Level Design*”, Camille Roth, in *Epistemological Aspects of Computer Simulation in the Social Sciences*, F. Squazzoni Ed., Springer LNCS book series, LNAI 5466 (ISBN 978-3-642-01109-2); 2009, pp. 89-98.
- B15.** “*Measuring Wiki Viability*”, Camille Roth, Dario Taraborelli, Nigel Gilbert, Proceedings of 2008 4rd Intl Symposium on Wikis (WikiSym 2008) (ACM Digital Library) (ISBN 978-1-60558-128-6), Porto, Portugal, Sep , 2008, 5 pp. (short paper).
- B16.** “*Viable Wikis — Struggle for life in the wikisphere*”, Camille Roth, Proceedings of 2007 3rd Intl Symposium on Wikis (WikiSym 2007) (ACM Digital Library) (ISBN 978-1-59593-861-9), Montréal, Canada, Oct , 2007, pp. 119–124 (short paper).
- B17.** “*Reducing the Representation Complexity of Lattice-Based Taxonomies*”, Sergei Kuznetsov, Sergei Obiedkov, Camille Roth, Proceedings of ICCS 15th Intl Conf Conceptual Structures, Springer LNCS book series, LNAI 4604, (ISBN 978-3-540-73681-3); Sheffield, UK, July , 2007, pp. 241–254 (long paper).

- B18.** “Towards Concise Representation for Taxonomies of Epistemic Communities”, Camille Roth, Sergei Obiedkov, Derrick G. Kourie, Proceedings of *4th International Conference on Concept Lattices and their Applications (CLA’06)*, Springer LNCS book series, LNAI 4923 (ISBN 978-3-540-78921-5); Tunis, Oct , 2006, pp. 240-255 (long paper).
- B19.** “Compact, evolving community taxonomies using concept lattices”, Camille Roth, *Contributions to ICCS 14th Intl Conf Conceptual Structures*, Aalborg University Press (ISBN 87-7307-768-2), Aalborg, Denmark, July , 2006, pp. 172–187 (long paper).
- B20.** “Generalized Preferential Attachment: Towards Realistic Socio-Semantic Network Models”, Camille Roth, *Proceedings of the Workshop on Semantic Network Analysis of the 4th ISWC International Semantic Web Conference*, CEUR-WS Series (ISSN 1613-0073), Vol. 171; Galway, Ireland, Nov 2005, pp. 29–42 (long paper).

Proceedings of conferences with refereeing (no ISBN)

- P1.** “Accès à l’information dans les réseaux sociaux : quelles formes de collaboration ?” (L. Tamine-Lechani, L. Soulier, L. Ben Jabeur, F. Amblard, C. Hanachi, G. Hubert, Camille Roth), Proc. Modèles et Analyses de Réseaux - Approches Mathématiques et Informatiques, MARAMI 2015, Oct 14-16, 2015, Nîmes, France.
- P2.** “Reducing network observables” (with D. Fourquet and J.-Ph. Cointet), Proceedings of Eur. Conf. on Complex Systems 2013, Sep 16-20, 2013, Barcelona, Spain.
- P3.** “Cycles in hypergraph-based networks: signal or noise, artefacts or processes?”, Lionel Tabourier, Jean-Philippe Cointet, Camille Roth, Proceedings of *AlgoTel 10e rencontres francophones sur les aspects ALGORithmiques des TELécommunications*, Saint-Malo, France, May , 2008, 4 pp.
- P4.** “Morphogenesis of epistemic networks: a case study”, Camille Roth, Proceedings of *ESSA 4th Eur Social Simulation Association Conf*, Toulouse, France, Sept. 2007, pp. 575–588 (long paper).
- P5.** “Information diffusion in realistic networks”, Jean-Philippe Cointet, Camille Roth, Proceedings of *AlgoTel 9e rencontres francophones sur les aspects ALGORithmiques des TELécommunications*, Ile d’Oléron, France, May , 2007, 4 pp. — “**Best Student Paper**”
- P6.** “Intertemporal topic correlations in online media”, Jean-Philippe Cointet, Emmanuel Faure, Camille Roth, Proceedings of *1st ICWSM International Conference on Weblogs & Social Media*, Boulder, Col., USA, March , 2007, 4 pp. (short paper).
- P7.** “A basic toolbox for the analysis of dynamic growing networks”, Clémence Magnien, Mahendra Mariadassou, Camille Roth, Proceedings of *AlgoTel 7e rencontres francophones sur aspects ALGORithmiques des TELécommunications*, Giens, France, May , 2005, 4 pp.

2 Other dissemination

EDITED VOLUMES

- Introductory article and co-editing of a symposium entitled “*Collective representations of quality*”, Camille Roth, Dario Taraborelli, Nigel Gilbert. *Mind and Society*, 10(2), 2011, pp. 165–168 (Introductory article) and 165–215 (symposium).

- Proceedings of the workshop “*Social Network Analysis and Conceptual Structures: Exploring Opportunities*” at the 5th ICFCA, Clermont-Ferrand, France, 02/2007. 35 pp.
Editors: Sergei Obiedkov & Camille Roth.

PUBLISHED BOOK REVIEWS

- Review of “*Les sciences humaines sont-elles des sciences?*” (ed. Thierry Martin), Camille Roth, in *Mathématiques et Sciences Humaines*, 194, 2011, pp. 71-72.
- Review of “*Connections*” (S. Goyal), Camille Roth, in *JASSS*, 13(1), 2010.

POPULARIZATION

- “*Analyse textuelle des motions du Congrès de Reims du PS*”, Camille Roth, Jean-Philippe Cointet, Sergei Obiedkov, Nikita Romashkin, 2009.
- “*Place de la Toile*”, David Chavalarias, Camille Roth, broadcasted on France Culture, 22 Jan 2010.

ACADEMIC THESES

- A1. “*Co-evolution in Epistemic Networks – Reconstructing social complex systems*”, PhD dissertation (dir. Paul Bourguine), Ecole Polytechnique, Paris, 2005.
- A2. “*Dynamics and Viability of Adaptive Connectionist Networks*”, thesis for the M.Sc. in Cognitive Science (dir. Paul Bourguine), Ecole des Hautes Etudes en Sciences Sociales, Paris, 2002.
- A3. “*Non-linear Planification*”, scientific internship report (dir. Jean-Marc Labat), Laboratoire d’Informatique de Paris VI / Ecole des Ponts et Chaussées, Paris, 1999.

OTHER COMMUNICATIONS

- “*Fragmentation in online communities – a joint interactional and informational perspective*”, Camille Roth, seminar at the MZES, Mannheim, Feb 20, 2020
- “*Research at the interface between social and computational sciences*”, Camille Roth, roundtable at Global Forum on Artificial Intelligence for Humanity, Paris, France, Oct 28, 2019.
- “*Families of Generative Processes for Social Networks*”, Telmo Menezes, Camille Roth, IC2S2’19, University of Amsterdam, July 15-20,, 2019, Amsterdam, Netherlands
- “*Introduction to the social and cognitive issues of algorithms*”, Camille Roth, Invited Lecture, Warm-Up Workshop at IC2S2, University of Amsterdam, July 15-20,, Amsterdam, Netherlands
- “*Podiumsdiskussion, "Digital Challenges : Polarized Public Spheres and Disinformation in European Democracies"*”, Camille Roth, CMB, Berlin, Germany, May 7, 2019.
- “*Algorithmic Distortion of Information Landscape*”, Camille Roth, Séminaire Pragmatic, Toulouse, France, April 18 2019
- “*Kommentar zum Jeanette Hofmanns Vortrag "Mediatisierte Demokratie: eine Forschungsperspektive"*”, Camille Roth, CMB, April 8 2019
- “*Computational Social Science: online communities, digital public spaces, NLP and SNA*”, Camille Roth, Telmo Menezes, Workshop on European Digital Society, Mar 21, 2019, European University Viadrina, Francfort/Oder
- “*Introduction aux enjeux sociologiques des algorithmes*”, Camille Roth, Master RSN, U. Lille, Jan 18, 2019

- “Fragmentation des espaces publics numériques – Un point de vue socio-sémantique”, Camille Roth, Séminaire Modélisation en Sciences Sociales, CAMS, EHESS, Paris, France, Dec 14, 2018”
- “Communautés du web et polarisation – Un point de vue structurel et sémantique”, Camille Roth, invited talk, École thématique CNRS Réseaux Sociaux, Cargèse, France, Sep 24-28,, 2018
- “Atelier Données Médias Sociaux”, Camille Roth, Julien Figeac, invited tutorial, and, “Atelier Grands Réseaux”, Pablo Jensen, Camille Roth, invited tutorial, École thématique CNRS Réseaux Sociaux, Cargèse, France, Sep 24-28,, 2018
- “Introductions to network morphogenesis, socio-semantic networks, spatial networks and network visualization”, 4 invited courses, Tehran school on Theory and Applications of Complex Networks, Tehran, Iran, August 25-29, 2018.
- “L’organisation algorithmique du travail”, Camille Roth, invited course, Institut de l’ENS, July 11, 2018, Paris, France.
- “Articulating the local and global socio-informational dynamics”, Camille Roth, invited talk, and “Comparative Overview of Network-Oriented Visualization methods”, Camille Roth, invited tutorial, NetGLOW St-Petersburg, Russia, July 4-6, 2018.
- “A typology of the multinational integration of socio-semantic networks on social media: the case of the European Public Sphere”, Camille Roth, Oul Klara Han, Suin Kim, Sunbelt XXXVIII, Utrecht, Netherlands, Jun 26-30, 2018.
- “Articulating the local and global socio-informational dynamics”, Camille Roth, NetSci 2018, Larichnet Workshop, Paris, France, June 11-15, 2018.
- “Large-scale diversity estimation through surname origin inference”, Antoine Mazières, Camille Roth, MASHS 2018 [Modèles et Apprentissages en Sciences Humaines et Sociales], Paris, France, May 24-25, 2018.
- “Fragmentation et visibilité dans les espaces publics en ligne”, Camille Roth, FacSem Sciences Po, Paris, France, May 17, 2018.
- “Articulating the local and global socio-informational confinement of Twitter users”, Jérémie Poiroux, Camille Roth, Workshop on Algorithmic Personalization and News, Hans-Bredow-Institut, Dec 7, 2017, Hamburg, Germany.
- “Socio-semantic configuration of a Twitter territory – The case of Twitter users discussing the #IPCC reports”, Camille Roth, Iina Hellsten, EUSN’17 European Social Network Conference, Sep 28, 2017, Mainz, Germany.
- “Calibration et validation des modèles dynamiques de réseaux sociaux”, Camille Roth, Séminaire du service méthodes statistiques de l’Ined, Les Rencontres de Statistique Appliquée, Analyses statistiques de réseaux, Sep 15, 2017, Paris, France.
- “Lexical transformations in blogspace: a case study in short-term cultural evolution”, Sébastien Lérique, Camille Roth, Inaugural Cultural Evolution Society Conference, Jena, Germany, Sep 13-15, 2017.
- “Questions ouvertes dans l’étude automatisée des réseaux sociaux”, Camille Roth, “Analyses de réseaux et interdisciplinarité : Quels points de convergence, quels obstacles ?” roundtable, IMERA Marseille, France, May 9, 2017.
- “Socio-Semantic Knowledge Hypergraphs”, and “Natural Scales in Human Movement Networks”, Telmo Menezes, Camille Roth, Complenet, 8th Conference on Complex Networks, Dubrovnik, Croatia, March 21-24,, 2017.
- “Enjeux informationnels et interactionnels de la recommandation algorithmique”, Camille Roth, CREM U. Metz, France, March 21,, 2017
- “Ontological issues: ‘Socio’-‘semantic’?”, communication during the “Socio-Semantic Patterns” workshop, Sciences Po, Paris, France, March 15-17,, 2017

- “*Walls of Language: Transnational Networks in the EU Twittersphere*”, Oul Klara Han, Suin Kim, Camille Roth. Annual Conference of The Political Methodology Group of the Political Studies Association, Jan 13, 2017, London, UK.
- “*Natural Scales in Human Movement Networks*”, Telmo Menezes, Camille Roth, 5th International Workshop on Complex Networks and their Applications, Milan, Italy, Nov 30-Dec 2, 2016.
- “*Socio-Semantic Knowledge Hypergraphs*”, Telmo Menezes, Camille Roth. GESIS 3rd Symposium CSS, Köln, Germany, Nov 30, Dec 1, 2016.
- “*Informational and interactional dynamics in online communities*”, communication during the “*Dynamic Networks*” workshop, Toulouse, France, Jun 22-25, 2016.
- “*Calibration and Validation of Dynamic Interaction Models*”, communication during the “*Dynamics of and on networks*” workshop, Lyon, France, Jun 20-22, 2016.
- “*Dynamiques informationnelles et interactionnelles sur Internet*”, Séminaire, Axe 2, MSHS Nice, France, Jun 13,, 2016.
- “*Cultural attractors by iterated sentence reformulation: elements of the cognitive story in complex contagion*”, Sébastien Lérique, Camille Roth. Data Driven Approach to Networks and Language, Lyon, France, May 11-13,, 2016.
- “*Socio-semantic configuration of a Twitter territory*”, Camille Roth (with Iina Hellsten), INSNA 36th Sunbelt Conf. of the Intl. Network for Social Network Analysis, Newport Beach, Calif., USA, Apr 5-10, 2016.
- “*Cognition sociale et réseaux de savoirs*”, Séminaire doctoral du CSO, Sc. Po, Paris, France, Feb 12, 2016.
- “*Dynamiques informationnelles et interactionnelles sur Internet*”, Camille Roth, Séminaire du Master Réseaux Numériques, Université Lille-I, Jan 18, 2016.
- “*Who are Birds of the Same Feather? Epistemic Communities in the EU Twittersphere*” (with Oul Han, Suin Kim), “*Detecting Temporally Stable Content-Sharing Communities*” (with Lou Charaudeau), “*Implicit Interregional and Temporal Borders from Photo Sharing Data*” (with Telmo Menezes), GESIS Symposium on CSS’15, Cologne, Germany, Dec 1-3, 2015.
- “*Dynamiques informationnelles et interactionnelles sur Internet*”, Séminaire du Médialab, Sc. Po, Nov 24, 2015.
- “*Calibration and Validation of Interaction Models*”, Mathematics and social science workshop, Imperial College, Nov 16-17, 2015, London, UK.
- “*Socio-semantic dynamics in the digital public space*”, Berlin-Brandenburg Comp. Soc. Sci. Workshop, Nov 11, 2015, Berlin, Germany.
- “*Informational and interactional dynamics in online communities*”, Big Data, data mining and social networks, Institut Français de Prague, and Institut Français de Vienne, Nov 3-4, 2015, Prag, Czech Republic, & Vienna, Austria.
- “*Approche des grands réseaux*” (with Dominique Cardon), “*Algotop et Facebook*”, École d’été CNRS Réseaux Sociaux, Sep 21-25, 2015, Île d’Oléron, France.
- “*European Online Debates: Co-evolution of social and semantic networks on Twitter*” (with Iina Hellsten), Network Theory and Methods: Combining Structure, Content and Meanings?, Workshop at the VU Amsterdam, Aug 31-Sep 1, 2015, Amsterdam, Netherlands.
- “*Urban mobility networks*”, & “*Appraising the interplay of concepts and actors*”, Network Analysis of European Urban Landscapes, Summer School at the Center for German and European Studies, St Petersburg University, July 1-7, 2015, St-Petersburg, Russia.
- “*Transnational Public Spaces*”, & “*Structure épistémique de l’espace public numérique – Facebook et Blogs*” (with J.-Ph. Cointet), Combined workshop AG Europa als Kommunikationsraum + AG Aktuelle und vergleichende Debatten in den Sozialwissenschaften, Centre Marc Bloch, Berlin, Jun 25, 2015, Berlin, Germany.

- “Réseaux d’alliance aléatoires”, Journée Analyse de Réseaux Sociaux, 40e anniversaire de l’EHESS, Jun 19, 2015, Paris, France.
- “Automatic Discovery of Plausible Network Generators” (with Telmo Menezes), NetSci 2015, 10th Intl. Conf. of Network Science, Jun 1-5, 2015, Zaragoza, Spain.
- “Automatic discovery of social network generators” (with Telmo Menezes), Computational Social Science Winter Symposium, GESIS–Leibniz-Institute for the Social Sciences, Dec 1, 2014, Cologne, Germany.
- “Socio-semantic modeling of epistemic communities”, Annual Conference of the American Political Science Association, Invited Panel on Epistemic Communities, Washington, DC, August 27-31, 2014.
- “Réflexivité dans les systèmes socio-sémantiques”, Décade "Figures de l'autotranscendance. Pour une Société de l'Ouroboros", Centre Culturel International de Cerisy-la-Salle, June 21-28, 2014.
- “Dynamics of reputation and activity within topical communities: a case study on blogspace”, Inst. für Mathematik, Lehrstuhl für Wahrscheinlichkeitstheorie, June 3, 2014, U. Potsdam, Germany.
- “Automatic discovery of plausible network models” (with Telmo Menezes), Deutsche Physikalische Gesellschaft, Frühjahrstagung, March 30,-April 4 2014, Dresden, Germany.
- “Table Ronde”, intervention autour de la recherche en mathématiques sociales, conférence de vulgarisation à l’adresse des lycéens “Maths en Jean”, April 4 2014, Berlin, Germany.
- “Co-evolution in socio-semantic networks”, seminar at the Faculty of Geosciences, U. Utrecht, March 5, 2014, Utrecht, Netherlands.
- “Die Berliner Deutsch-Französische DH-Forschung”, “Grenzen überschreiten — Digitale Geisteswissenschaft heute und morgen”, FU Berlin, Feb 28, 2014, Berlin, Germany.
- “Dynamiques structurelles dans un espace relationnel : les communautés de blogueurs”, Journée d’étude “Dynamique des réseaux et graphes évolutifs”, U. Nice, Nov 18, 2013, Nice, France.
- “Reputation and activity dynamics within topical communities”, “Dynamics On and Of Complex Networks – VI”, Satellite Workshop, Eur. Conf. on Complex Systems 2013, Sep 16-20, 2013, Barcelona, Spain.
- “Reducing network observables” (with D. Fourquet and J.-Ph. Cointet), Eur. Conf. on Complex Systems 2013, Sep 16-20, 2013, Barcelona, Spain.
- “Social cognition in ‘observable’ spaces”, Berlin Graduate School of Social Studies Summer School, July 22, 2013, Berlin, Germany.
- “Socio-semantic dynamics in knowledge networks”, OECD “Public Governance and Territorial Development” Group Meeting, July 3, 2013, Paris, France.
- “L’analyse des réseaux socio-sémantiques”, course at the “Quantilille 2013, École d’été en sciences sociales quantitatives” summer school, June 27,-July 3, 2013, Lille, France
- “Social Cognition in Public Space”, at the Media Opinion Dynamics Conference [NESS], Lisbon, Portugal, June 10-12, 2013.
- “Appraising scientific impact from local dynamics of citation and socio-semantic networks”, at the Sunbelt XXXIII International Social Network Conference, Hamburg, Germany, 05/2013
- “The ‘Villages’ of Paris - Revealing the Organization of Geographical Areas by Aggregating Preferential Human Movements”, American Association of Geography Annual Meeting, Los Angeles, USA, April 9-13 2013.
- “Exploration bias on weighted networks” (with F. Gargiulo), Poster at the 3rd CompleNet Workshop on Complex Networks, March 13-15, 2013, Berlin, Germany.
- “Dynamiques socio-sémantiques dans les réseaux de savoirs”, seminar at the CMB, December 3, 2012, Berlin, Germany.

- “*Social Cognition in Public Space*”, invited communication during the “*ARESOS Mastodons*” workshop, LIP6, U. Paris VI, November 5, 2012, Paris, France.
- “*Social and semantic co-evolution in scientific and blog networks*” (with J.-Ph. Cointet), invited speaker at the annual plenary meeting of the European Academy of Sociology, Oct 20, 2012, Paris, France.
- “*Random alliance networks*”, invited communication during the “*Colloque SIMulation de la PARENTé*” workshop, Oct 18-19, 2012, EHESS, Paris, France.
- “*Réseaux sociaux sur internet*” (with Dominique Cardon), invited speaker at the “*École d’été CNRS Réseaux Sociaux*”, Sep 10-14, 2012, Porquerolles, France.
- “*Social dynamics of topical communities*”, invited communication during the “*Dynamique des Graphes*” workshop, LIP6 ComplexNetworks, Paris, France, July 10, 2012.
- “*Dynamics of and on social networks*”, invited tutorial at “*ESSA Summer School*”, Toulouse, France, July 2-6, 2012.
- “*Socio-semantic frameworks for techno-social systems*”, invited speaker at “*International Workshop on Agent-Based Models and Complex Techno-Social Systems*”, ETH-Zürich, July 2-4, 2012.
- “*Dynamics of and on social networks*”, invited tutorial at “*WEHIA 17th annual workshop on Economic Heterogeneous Interacting Agents*”, Paris, June 19-22, 2012.
- “*Socio-semantic frameworks for techno-social systems*”, invited speaker at “*MASHS 2012*” (Modèles et Apprentissage en Sciences Humaines et Sociales), Paris, June 4-5, 2012.
- “*Dynamics of and on subway networks*”, seminar at the Dept. of Computer Science, Université de Louvain-la-Neuve, May 11, 2012.
- “*The public space as a socio-semantic system*”, “*Blockseminar*” at the “*Berlin Graduate School of Social Sciences*” (Humboldt Universität), April 27, 2012.
- “*Les deux chemins de la gloire*” (with Dominique Cardon), seminar at the Medialab, Sciences Po, March 27, 2012.
- “*Dynamics of and on subway networks*”, seminar “*Complex Networks*”, LIP6, Paris, March 2, 2012.
- “*Socio-epistemic Hypergraphs*”, invited communication during the “*ASSYST*” workshop, Venice, Italy, Feb 26-28, 2012.
- “*Les sciences naturelles et l’analyse de réseaux*”, invited communication during the “*Dynamique de réseaux sociaux*” workshop, IMERA, Marseille, France, Feb 10, 2012.
- “*Dynamics of and on subway networks*”, séminaire “*Systèmes complexes en sciences sociales*”, Paris, Jan 20, 2012.
- “*Reconstructing streams of media issues from large textual corpora*”, UN GlobalPulse roundtable, NYC, USA, Dec 8, 2011.
- “*Reconstructing streams of media issues*”, roundtable and presentation, Intl Meeting on Visualization in Complex Environments, Politecnico di Torino, November 17-18, 2011.
- “*Socio-semantic Networks: A perspective on social cognition*”, Seminar, MPI-Bildungsforschung (ABC), Berlin, Oct 26, 2011.
- “*Dynamics on and of subway networks*”, ECCS’11 Satellite Workshop DOOCN-V Dynamics of and on Complex Networks, Vienna, Austria, Sep , 14-15, 2011.
- “*Social networks and social complex systems*”, Complex Systems Summer School ISCPIF, Paris, France, July , 7, 2011.
- “*Socio-semantic Networks - A perspective on social cognition*”, Fourth International Conference of Cognitive Science, Tehran, Iran, May 1, 0-12, 2011.

- “Trajectoire de consécration des amateurs dans le monde numérique” (with Dominique Cardon, Guilhem Fouetillou), Colloque Digital Life Lab (Institut Télécom), “La participation des amateurs dans l’univers numérique”, Paris, March 18, 2011.
- “Catégories et treillis: réduction des taxinomies”, Journée Treillis Camsiens, Paris, December 6, 2010.
- “Academic teams: evolving hypergraphs” & “Introduction to Social and Socio-Semantic Networks” (with Jean-Philippe Cointet), Univ. Tecnica Federico Santa Maria, Santiago, Chili, Nov 22-25, 2010.
- “Dynamiques socio-culturelles”, Journée SOL Entreprise 2.0, Paris, 12 Oct., 2010.
- “Evolving hypergraphs to appraise academic team formation processes” (with Carla Taramasco, Jean-Philippe Cointet) & Modeling the emergence of matrimonial circuits in random kinship networks: alternative approaches and comparative results (with Klaus Hamberger, Arnaud Bringé) at the Sunbelt XXX International Social Network Conference, Riva del Garda, Italy, 07/2010
- “Co-évolution sociale et sémantique dans les réseaux scientifiques”, invited communication during the “Analyse de données relationnelles, session Réseaux Sociaux, EHESS/INED” workshop, Paris, France, 06/2010.
- “A primer on Social Network Analysis”, invited tutorial (with Sergei Obiedkov) at the ICFA 10 Intl. Conf. Formal Concept Analysis, Agadir, Morocco, 03/14-18, 2010.
- “Reciprocal influence of social and semantic patterns in a dynamic blog network”, invited communication during the “COST “Physics of cooperation and conflict”” workshop, Valencia, Spain, 02/24-26, 2010.
- “Systemas complejos y sistemas sociales”, seminar at U. Cundinamarca, Bogota, Colombia, 12/2009.
- “Reciprocal influence of social and semantic patterns in a dynamic blog network”, invited communication during the “DOOCN-III Workshop at ECCS Eur Conf Complex Systems 2009” workshop, Warwick, UK, 23-24/09/2009.
- “Co-évolution entre réseaux sociaux et opinions: le cas de la blogosphère”, invited speaker at MASHS 2009, Toulouse, France, 08-09/06/2009.
- “Catégories et treillis: réduction des taxinomies”, Séminaire MDOD (Mathématiques Discrètes, Optimisation et Décision), U. Paris-I, Paris, France, 05/05/2009.
- “Socio-semantic dynamics of a blog network: An empirical study on French (and US) blogs”, Seminar at HSE / Dept Applied Maths, Moscow, Russia, 15/04/2009.
- “Essai d’interprétation de la représentation de la blogosphère française de Webfluence”, Atelier méthodologique TIC-Migrations, Maison Suger, Paris, France, 27/03/2009.
- “Dynamiques d’opinion et dynamiques d’interaction: les réseaux sociaux de la blogosphère politique française”, Séminaire DAPA, LIP6, Paris, France, 02/04/2009.
- “Réseaux sociaux”, Atelier de formation aux outils d’analyse textuelle et de visualisation de données, U. Paris-Est (MLV), France, 05/02/2009.
- “Morphogenesis of Knowledge Networks: Social and Semantic Coevolution”, Séminaire Interactions, GRE-QAM (CNRS/EHESS), Marseille, France, 12/12/2008.
- “La morphogenèse des réseaux de savoirs: coévolution sociale et sémantique”, Séminaire BIPOP-CASYS, Laboratoire Jean Kuntzmann (INRIA/U. Grenoble), Grenoble, France, 04/12/2008.
- “Évolution des structures relationnelles et des contenus au sein de la blogosphère politique française”, communication (with Jean-Philippe Cointet) at the Social Networks Thematic Network Workshop, French Association of Sociology, Lille, France, 03/2008.
- “Dynamique des communautés épistémiques et cognition distribuée”, Séminaire “TICOOP”, Université de Nice, France, 08/02/2008.
- “Viable Wikis”, communication during the “Towards a Social Science of Web 2.0” workshop, York, UK, 09/2007.

- “Patterns and processes in socio-semantic networks”, communication at the *UK Social Network Conference*, London, 07/2007.
- “Knowledge networks: from morphogenesis to information diffusion”, course at the “Networks as a tool to analyze social systems” summer school, ENS Lyon, France, 11–15/06/2007.
- “Diffusion in epistemic networks: patterns and processes”, communication during the “DIME Workshop 2.1 “Distributed Networks and the Knowledge-based Economy”” workshop, Nice, France, 05/2007.
- “How realistic knowledge diffusion models should be?”, communication (with Jean-Philippe Cointet) at the *Sunbelt XXVII International Social Network Conference*, Corfu, Greece, 05/2007
- “Socially-mediated concept diffusion in a scientific community”, communication (with Jean-Philippe Cointet, Carla Taramasco) at the *Sunbelt XXVII International Social Network Conference*, Corfu, Greece, 05/2007
- “Reconstruire la structure des communautés épistémiques”, communication at the *2nd AFS congress – Congrès de l’Association Française de Sociologie, groupe ad hoc ‘sociologie et systèmes complexes’*, Bordeaux, France, 09/2006.
- Discussant at the “Social Networks and Complexity” workshop organized by Nigel Gilbert & Andras Lorincz at the Collegium Budapest, Hungary, 07/31-08/02, 2006.
- “Modeling the dynamics of epistemic communities”, communication during the “Mathematics and Innovation” workshop organized by Tanya Araújo (ISEG, UT Lisboa), Arrabida, Portugal, 3–6 July , 2006.
- “Modéliser la dynamique des communautés épistémiques”, ICT Usage Lab, Eurecom Institute, Sophia-Antipolis, France, 26/06/2006.
- “Co-evolution, emergence, stigmergence”, European Center for Living Technology, Venice, Italy, 10/04/2006.
- “Social Dynamics of Epistemic Communities”, communication during the “Social and Historical Dynamics” workshop organized by Douglas White & Peter Turchin at the 2nd ECCS, Oxford, UK, 25-29/09, 2006.
- “Tracking epistemic communities”, Austrian Research Centers “Systems Research”, Vienna, Austria, 20 Feb 2006.
- “Réseaux épistémiques”, Département Economie-Gestion-Sciences Humaines, ENST, Paris, 12 Jan 2006.
- “Epistemic Networks”, communication during the “New Perspectives on Complex Systems” workshop organized by Cristopher Moore (SFI & UNM) at the Santa Fe Institute, NM, USA, 26–30/07/2005.
- “Networks of knowledge”, Max Planck Institut—Adaptive Behavior and Cognition, Berlin, Germany, March 11, 2005.
- “Dynamique des réseaux bipartis, Reconstruire l’évolution d’une taxonomie et mesurer l’homophilie”, Séminaire Graphes, Réseaux, Interactions, LIAFA, Paris, March 7,, 2005.
- “Dynamics of Galois Lattices: The Case of Epistemic Communities”, communication at the *Sunbelt XXV International Social Network Conference*, Redondo Beach, USA, 2005.
- “Characterizing socio-semantic networks”, Department of Anthropology, UC Irvine, CA, USA, Feb , 2005.
- Discussant at the “Cognition and Innovation” workshop organized by David Lane (Univ. Modena), Venice, Italy, 09/27-30, 2004.
- “Social and Cultural Co-evolution”, Department of Social and Cognitive Sciences, University of Modena & Reggio Emilia, Italy, April 2004.
- “Co-évolution des réseaux sociaux et culturels: une approche”, communication at the *Journées Graphes, Réseaux et Modélisation (GRM)*, Paris, France, 12/2003.
- “An Approach on Binding Social and Cultural Networks”, Department of Physics, University of Notre-Dame, IN, USA, Sept. 2003.