

## Dr. Jérôme Kunegis (Complete CV)

---

University of Koblenz–Landau  
Institute for Web Science and Technologies  
Universitätsstraße 1  
56070 Koblenz  
Germany

Tel: +49 261 287-2775  
Fax: +49 261 287-100-2775  
[kunegis@uni-koblenz.de](mailto:kunegis@uni-koblenz.de)  
[uni-koblenz.de/~kunegis](http://uni-koblenz.de/~kunegis)  
[twitter.com/kunegis](https://twitter.com/kunegis)  
[linkedin.com/in/kunegis](https://www.linkedin.com/in/kunegis)  
[networkscience.wordpress.com](http://networkscience.wordpress.com)  
[konect.uni-koblenz.de](http://konect.uni-koblenz.de)

Education	<b>Dr. rer. nat.</b>	2011
	<a href="#">University of Koblenz–Landau</a> Thesis: <i>On the Spectral Evolution of Large Networks</i>	
	<b>Dipl.-Inform.</b>	2006
	<a href="#">Technical University of Berlin</a> Thesis: <i>Using Integer Linear Programming for Search Results Optimization</i>	
	<b>Baccalauréat</b>	1999
	<a href="#">Lycée Français de Berlin</a> Série scientifique	
	<b>Abitur</b>	1999
	<a href="#">Lycée Français de Berlin</a> Leistungskurse: Mathematik, Physik	
	<b>Diplôme national du brevet</b>	1996
	<a href="#">Lycée Français de Berlin</a> Série collège	
Positions	<b>Postdoctoral Researcher</b>	2011–present
	<a href="#">Institute for Web Science and Technologies</a> , University of Koblenz–Landau <a href="#">ROBUST</a> (EU FP7), <a href="#">SocialSensor</a> (EU FP7), <a href="#">Koblenz Network Collection</a> (KONECT), Social Information Processing (DFG WGI), <a href="#">REVEAL</a> (EU FP7).	
	<b>Visiting Postdoctoral Researcher</b>	2013
	<a href="#">Networks and Operating Systems Group</a> , University of Cambridge	
	<b>Research Assistant</b>	2010–2011
	<a href="#">Institute for Web Science and Technologies</a> , University of Koblenz–Landau <a href="#">WeKnowIt</a> (EU FP7), <a href="#">ROBUST</a> (EU FP7), <a href="#">MULTIPLA</a> (DFG).	
	<b>Research Assistant</b>	2006–2010
	<a href="#">DAI Lab</a> , Technical University of Berlin Projects <a href="#">PIA</a> (Personalized Information Agent), <a href="#">Universal Recommender</a> (Semantic Recommendation Engine), <a href="#">Connected Living</a> (Innovationszentrum “Vernetztes Leben”),	

Smart Senior (Intelligent Services for Elderly People), UCPM (User Centric Profile Management), WebTV (Semantic TV Recommendations), SERUM (Semantic Recommenders based on Large, Unstructured Data).

#### **Student Research Assistant**

2002–2006

[DAI Lab](#), Technical University of Berlin

Projects Corinna und Cornelius (Speech-controlled Personal Digital Assistant), PIA (Personalized Information Agent), Synergie (Collaborative e-Science Platform).

#### **Teaching**

- [Network Theory and Dynamic Systems](#), University of Koblenz–Landau, SS 2016.
- [Advanced Topics in Network Science](#), University of Koblenz–Landau, SS 2016.
- [Introduction to Database Systems](#) (Grundlagen der Datenbanken, Lecturer), University of Koblenz–Landau, WS 2015/2016.
- [Learning Analytics: Aspects of Machine Learning and Empirical Psychology in E-Learning](#), (Learning analytics: Aspekte des Machine Learnings und empirischer Psychologie beim E-Learning, Proseminar), University of Koblenz–Landau, WS 2015/2016.
- [Network Theory and Dynamic Systems](#), University of Koblenz–Landau, SS 2015.
- [Recommender Systems](#) (Seminar), University of Koblenz–Landau, SS 2015.
- [Introduction to Database Systems](#) (Grundlagen der Datenbanken, Lecturer), University of Koblenz–Landau, WS 2014/2015.
- [Distributed Scalable Network Analysis](#) (Research Lab), University of Koblenz–Landau, WS 2014/2015.
- [Advanced Topics in Network Theory](#) (Seminar), University of Koblenz–Landau, SS 2014.
- [Network Theory and Dynamic Systems](#), University of Koblenz–Landau, SS 2014.
- [Introduction to Database Systems](#) (Grundlagen der Datenbanken, Lecturer), University of Koblenz–Landau, WS 2013/2014.
- [Network Theory and Dynamic Systems](#), University of Koblenz–Landau, SS 2013.
- [Social Networks](#) (Soziale Netzwerke, Proseminar), University of Koblenz–Landau, SS 2013.
- [Introduction to Database Systems](#) (Grundlagen der Datenbanken, Lecturer), University of Koblenz–Landau, WS 2012/2013.
- [Social Networks](#) (Soziale Netzwerke, Proseminar), University of Koblenz–Landau, SS 2012.
- [Introduction to Database Systems](#) (Grundlagen der Datenbanken, Assistant), University of Koblenz–Landau, WS 2011/2012.
- [Introduction to Database Systems](#) (Grundlagen der Datenbanken, Assistant), University of Koblenz–Landau, WS 2010/2011.

## Supervised Theses

- Marcel Reif. Automatische Erkennung von exakten und Near-Duplikaten in einer Netzwerkdatenbank, *Bachelor of Science*, University of Koblenz–Landau, 2016.
- Nils Geilen. Entwicklung eines Systems zur Vorhersage von Nutzeraktivität auf den Diskussionsseiten der Wikipedia, *Bachelor of Science*, University of Koblenz–Landau, 2015.
- Jesús Cabello González. Berechnung und Approximation von Kürzeste-Pfad-Statistiken in großen Netzwerken für KONECT, *Bachelor of Science*, University of Cádiz, 2014.
- Julia Preusse. Analysis of the WebUni Online Student Community, *Dipl.-Inform.*, Otto-von-Guericke University Magdeburg, 2010.
- Stephan Spiegel. A Hybrid Approach to Recommender Systems based on Matrix Factorization, *Dipl.-Inform.*, Technical University of Berlin, 2009.
- Christian Banik. Recommending Wiki Articles using Collaborative Filtering, *Dipl.-Inform.*, Technical University of Berlin, 2009.
- Iris Breddin. Untersuchung der Klassifizierbarkeit und Klassifikation von Schweißnahtdaten, *Dipl.-Inform.*, Technical University of Berlin, 2008.

## Conference Organization

- [WeST Off-Campus Meeting](#) (OCM), 2016, Chair.
- [INFORMATIK](#), 2013, Publicity Chair.
- [Web Science Conf.](#) (WebSci), 2011, Publicity Chair.
- [Special Session on Uncertainty in Network Mining](#) (UNM) at the Int. Conf. on Information Processing and Management of Uncertainty in Knowledge-based Systems (IPMU), 2010, Technical Chair.

## Program Committees

- [Int. AAAI Conf. on Web and Social Media](#) (ICWSM), 2016.
- [Workshop on Social News on the Web](#) (SNOW) at the World Wide Web Conf. (WWW), 2016.
- [Workshop on SociAL Semantic Analysis](#) (SALSA), 2016.
- [#FAIL! – The Workshop Series](#) at the Internet Research Conf. (IR), 2015.
- [Web Science Track](#), Int. World Wide Web Conf. (WWW), 2015.
- [#FAIL! – The Workshop Series](#) at the Web Science Conf. (WebSci), 2015.
- [Web Science Conf.](#) (WebSci), 2014.
- [Workshop on Social News on the Web](#) (SNOW) at the World Wide Web Conf. (WWW), 2014.
- [Workshop on Connecting Online & Offline Life](#) (COOL) at the World Wide Web Conf. (WWW), 2014.
- [Web Science Track](#), Int. World Wide Web Conf. (WWW), 2014.
- [Int. Joint Conf. on Artificial Intelligence](#) (IJCAI), 2013.
- [Web Science Conf.](#) (WebSci), 2013.
- [Web Science Education Workshop](#) at the Web Science Conf. (WebSci), 2013.
- [Conf. on Semantic Technology and Information Retrieval](#) (STAIR), 2013.
- [Int. Workshop on Semantic Personalized Information Management](#) (SPIM) at the Int. Conf. on Web Search and Data Mining (WSDM), 2013.
- [European Conf. on Information Retrieval](#) (ECIR), 2013.

- [Workshop on Metrics, Analysis and Tools for Online Community Management \(MAMA\)](#), at INFORMATIK, 2013
- [Web Science Conf. \(WebSci\)](#), 2012.
- [European Conf. on Information Retrieval \(ECIR\)](#), poster track, 2012.
- [Conf. on Natural Language Processing \(KONVENS\)](#), 2012.
- [Workshop on Personalized Information Management: Linking Social and Semantic Web \(SPIM\)](#) at the Int. Conf. on Web Engineering (ICWE), 2012.
- [Conf. on Information and Knowledge Management \(CIKM\)](#), 2011.
- [Web Science Conf. \(WebSci\)](#), 2011.
- [Int. Conf. on Knowledge Discovery and Data Mining \(KDD\)](#), research track, 2011.
- [Challenge on Context-aware Movie Recommendation \(CAMRa\)](#) at the Conf. on Recommender Systems (RecSys), 2010.
- [Special Session on Uncertainty in Network Mining \(UNM\)](#) at the Int. Conf. on Information Processing and Management of Uncertainty in Knowledge-based Systems (IPMU), 2010.

#### Review Boards and Other Reviewing

- [Network Science](#), 2015, 2016.
- [ACM Computing Surveys](#), 2014, 2015.
- [The J. of Web Science](#), 2014.
- [ACM Trans. on Internet Technologies \(TOIT\)](#), 2014.
- [Special Issue on “Propagation Phenomenon in Complex Networks: Theory and Practice”](#), New Generation Computing, 2014.
- [Int. Semantic Web Conf. \(ISWC\)](#), 2013.
- [Int. Conf. on Computational Statistics \(COMPSTAT\)](#), 2012.
- [Int. J. of Computer and Telecommunications Networking \(COMNET\)](#), 2012.
- [IEEE Trans. on Neural Networks \(TNN\)](#), 2011.
- [J. on Autonomous Agents and Multi-agent Systems \(AAMAS\)](#), Special Issue on Agent Mining, 2011.
- [ACM Trans. on Knowledge Discovery from Data \(TKDD\)](#), 2011.
- [TV Content Analysis \(TVCA\)](#), 2011.
- [Workshop on Ontologies and Lexical Resources \(OntoLex\)](#) at the Int. Conf. on Computational Linguistics (COLING), 2010.

#### Publications

- [1] Predicting user roles in social networks using transfer learning with feature transformation. Jun Sun, Jérôme Kunegis, and Steffen Staab. In *Proc. ICDM Int. Workshop on Data Mining in Networks*, 2016.
- [2] [Continuous-time quantum walks on directed bipartite graphs](#). Beat Tödtli, Monika Laner, Jouri Semenov, Beatrice Paoli, Marcel Blattner, and Jérôme Kunegis. 2016. In review.
- [3] [On the ubiquity of web tracking: Insights from a billion-page web crawl](#), Sebastian Schelter and Jérôme Kunegis, 2016. In review.
- [4] [Linguistic neighbourhoods: Explaining cultural borders on Wikipedia through multilingual co-editing activity](#). Anna Samoilenko, Fariba Karimi, Daniel Edler, Jérôme Kunegis, and Markus Strohmaier. *Eur. Phys. J. Data Science*, 5(9), 2016.

- [5] [Tracking the trackers: A large-scale analysis of embedded web trackers](#). Sebastian Schelter and Jérôme Kunegis. In *Proc. Int. Conf. on Web and Social Media*, 2016.
- [6] [Voting behaviour and power in online democracy: A study of LiquidFeedback in Germany's Pirate Party](#). Christoph Carl Kling, Jérôme Kunegis, Heinrich Hartmann, Markus Strohmaier, and Steffen Staab. In *Proc. Int. Conf. on Weblogs and Social Media*, pages 208–217, 2015.
- [7] [Linguistic influence patterns within the global network of Wikipedia language editions](#). Anna Samoilenko, Fariba Karimi, Jérôme Kunegis, Daniel Edler, and Markus Strohmaier. In *Proc. Web Science Conf.*, 2015.
- [8] [Social networking by proxy: A case study of Catster, Dogster and Hamsterster](#). Daniel Dünker and Jérôme Kunegis. 2015.
- [9] [Glaubwürdigkeit und Vertrauen von Online-News](#). Ines C. Vogel, Jutta Milde, Karin Stengel, Steffen Staab, Christoph Carl Kling, and Jérôme Kunegis. *Datenschutz und Datensicherheit*, 40(5):312–316, 2015.
- [10] [Social networking by proxy: Analysis of Dogster, Catster and Hamsterster](#). Daniel Dünker and Jérôme Kunegis. In *Proc. Int. Conf. on World Wide Web Companion*, pages 361–362, 2015.
- [11] [Private-collective invention and open source software: Longitudinal insights from Linux kernel development](#). Dirk Homscheid, Jérôme Kunegis, and Mario Schaarschmidt. In *Proc. IFIP Conf. on e-Business, e-Services and e-Society*, pages 299–313, 2015.
- [12] [Twitter as a political network – predicting the following and unfollowing behavior of German politicians](#). Julia Perl, Claudia Wagner, Jérôme Kunegis, and Steffen Staab. In *Proc. Web Science Conf.*, 2015.
- [13] [Exploiting the structure of bipartite graphs for algebraic and spectral graph theory applications](#). Jérôme Kunegis. *Internet Math.*, 11(3):201–321, 2015.
- [14] [Detecting non-Gaussian geographical topics in tagged photo collections](#). Christoph Carl Kling, Jérôme Kunegis, Sergej Sizov, and Steffen Staab. In *Proc. Int. Conf. on Web Search and Data Mining*, pages 603–612, 2014.
- [15] [Polcovar: Software for computing the mean and variance of subgraph counts in random graphs](#), Jérôme Kunegis, 2014.
- [16] [Applications of structural balance in signed social networks](#), Jérôme Kunegis, 2014. arXiv:1402.6865.
- [17] [DecLiNe – models for decay of links in networks](#), Julia Preusse, Jérôme Kunegis, Matthias Thimm, and Sergej Sizov, 2014.
- [18] [Handbook of network analysis \[KONECT – the Koblenz Network Collection\]](#), Jérôme Kunegis, 2016.
- [19] [What is the added value of negative links in online social networks?](#) Jérôme Kunegis, Julia Preusse, and Felix Schwagereit. In *Proc. Int. World Wide Web Conf.*, pages 727–736, 2013.
- [20] [KONECT – The Koblenz Network Collection](#). Jérôme Kunegis. In *Proc. Int. Conf. on World Wide Web Companion*, pages 1343–1350, 2013.
- [21] [Structural dynamics of knowledge networks](#). Julia Preusse, Jérôme Kunegis, Matthias Thimm, Thomas Gottron, and Steffen Staab. In *Proc. Int. Conf. on Weblogs and Social Media*, pages 506–515, 2013.
- [22] [Preferential attachment in online networks: Measurement and explanations](#). Jérôme Kunegis, Marcel Blattner, and Christine Moser. In *Proc. Web Science Conf.*, pages 205–214, 2013.

- [23] [Spectral evolution in dynamic networks](#). Jérôme Kunegis, Damien Fay, and Christian Bauckhage. *Knowledge and Information Systems*, 37(1):1–36, 2013.
- [24] [Centrality and mode detection in dynamic contact graphs; a joint diagonalisation approach](#). Damien Fay, Jérôme Kunegis, and Eiko Yoneki. In *Proc. Int. Conf. on Advances in Social Networks Analysis and Mining*, pages 41–48. ACM, 2013.
- [25] [Social network datasets](#). Jérôme Kunegis. *Encyclopedia of Social Network Analysis and Mining*, 2013.
- [26] [Spectral evolution of social networks](#). Jérôme Kunegis. *Encyclopedia of Social Network Analysis and Mining*, 2013.
- [27] [Diversity dynamics in online networks](#). Jérôme Kunegis, Sergej Sizov, Felix Schwagerleit, and Damien Fay. In *Proc. Conf. on Hypertext and Social Media*, pages 255–264, 2012.
- [28] [Fairness on the web: Alternatives to the power law](#). Jérôme Kunegis and Julia Preusse. In *Proc. Web Science Conf.*, pages 175–184, 2012.
- [29] [Predicting directed links using nondiagonal matrix decomposition](#). Jérôme Kunegis and Jörg Fliege. In *Proc. Int. Conf. on Data Mining*, pages 948–953, 2012.
- [30] [KONECT Cloud – large scale network mining in the cloud](#). Jérôme Kunegis. In *Proc. Spring 2012 Future SOC Lab Day*, HPI Technical Report Series, April 2012.
- [31] [LiveTweet: Monitoring and predicting interesting microblog posts](#). Arifah Che Alhadi, Thomas Gotttron, Jérôme Kunegis, and Nasir Naveed. In *Proc. European Conf. on Information Retrieval Demonstrations*, pages 569–570, 2012.
- [32] [Online dating recommender systems: The split-complex number approach](#). Jérôme Kunegis, Gerd Gröner, and Thomas Gotttron. In *Proc. Workshop on Recommender Systems and the Social Web*, pages 37–44, 2012.
- [33] [LiveTweet: Microblog retrieval based on interestingness and an adaptation of the vector space model](#). Arifah Che Alhadi, Thomas Gotttron, Jérôme Kunegis, and Nasir Naveed. In *Proc. Text Retrieval Conference*, 2011.
- [34] [Searching microblogs: Coping with sparsity and document quality](#). Nasir Naveed, Thomas Gotttron, Jérôme Kunegis, and Arifah Che Alhadi. In *Proc. Int. Conf. on Information and Knowledge Management*, pages 183–188, 2011.
- [35] [Discriminating graphs through spectral projections](#). Damien Fay, Hamed Haddadi, Steve Uhlig, Liam Kilmartin, Andrew W. Moore, Jérôme Kunegis, and Marios Iliofotou. *Computer Networks*, 55(15):3458–3468, 2011.
- [36] [Bad news travels fast: A content-based analysis of interestingness on Twitter](#). Nasir Naveed, Thomas Gotttron, Jérôme Kunegis, and Arifah Che Alhadi. In *Proc. Web Science Conf.*, 2011.
- [37] [One community does not rule them all](#). Thomas Gotttron, Jérôme Kunegis, Ansgar Scherp, and Steffen Staab. In *Proc. Web Science Conf.*, 2011.
- [38] [Link prediction on evolving data using tensor factorization](#). Stephan Spiegel, Jan Clausen, Sahin Albayrak, and Jérôme Kunegis. In *Proc. Workshop on Behavior Informatics*, 2011.
- [39] [On joint diagonalisation for dynamic network analysis](#). Damien Fay, Jérôme Kunegis, and Eiko Yoneki. Technical report, University of Cambridge, 2011.
- [40] [Challenges in mining social media: Sparsity and quality](#). Thomas Gotttron, Nasir Naveed, Jérôme Kunegis, and Arifah Che Alhadi. In *Challenges in Document Mining (Dagstuhl Seminar 11171)*, page 73, 2011.

- [41] [Exploiting hierarchical tags for context-awareness](#). Alan Said, Jérôme Kunegis, Ernesto William De Luca, and Sahin Albayrak. In *Proc. Workshop on Exploiting Semantic Annotations for Information Retrieval*, pages 35–36, 2010.
- [42] [Network growth and the spectral evolution model](#). Jérôme Kunegis, Damien Fay, and Christian Bauckhage. In *Proc. Int. Conf. on Information and Knowledge Management*, pages 739–748, 2010.
- [43] [The link prediction problem in bipartite networks](#). Jérôme Kunegis, Ernesto W. De Luca, and Sahin Albayrak. In *Proc. Int. Conf. in Information Processing and Management of Uncertainty in Knowledge-based Systems*, pages 380–389, 2010.
- [44] [Spectral analysis of signed graphs for clustering, prediction and visualization](#). Jérôme Kunegis, Stephan Schmidt, Andreas Lommatzsch, and Jürgen Lerner. In *Proc. SIAM Int. Conf. on Data Mining*, pages 559–570, 2010.
- [45] [Multilingual ontology-based user profile enrichment](#). Ernesto W. De Luca, Till Plumbaum, Jérôme Kunegis, and Sahin Albayrak. In *Proc. Workshop on the Multilingual Semantic Web*, pages 41–42, 2010.
- [46] [Connecting senior citizens through interactive TV](#). Barış Karataş, Torsten Schmidt, Jérôme Kunegis, and Till Plumbaum. In *Proc. Ambient Assisted Living*, 2010.
- [47] [The Universal Recommender](#), Jérôme Kunegis, Alan Said, and Winfried Umbrath. White paper, 2009.
- [48] [Learning spectral graph transformations for link prediction](#). Jérôme Kunegis and Andreas Lommatzsch. In *Proc. Int. Conf. on Machine Learning*, pages 561–568, 2009.
- [49] [The Slashdot Zoo: Mining a social network with negative edges](#). Jérôme Kunegis, Andreas Lommatzsch, and Christian Bauckhage. In *Proc. Int. World Wide Web Conf.*, pages 741–750, 2009.
- [50] [Hydra: A hybrid recommender system \[cross-linked rating and content information\]](#). Stephan Spiegel, Jérôme Kunegis, and Fang Li. In *Proc. Workshop on Complex Networks in Information and Knowledge Management*, pages 75–80, 2009.
- [51] [Modeling collaborative similarity with the signed resistance distance kernel](#). Jérôme Kunegis, Stephan Schmidt, Christian Bauckhage, Martin Mehlitz, and Sahin Albayrak. In *Proc. European Conf. on Artificial Intelligence*, pages 261–265, 2008.
- [52] [Alternative similarity functions for graph kernels](#). Jérôme Kunegis, Andreas Lommatzsch, and Christian Bauckhage. In *Proc. Int. Conf. on Pattern Recognition*, 2008.
- [53] [On the scalability of graph kernels applied to collaborative recommenders](#). Jérôme Kunegis, Andreas Lommatzsch, Christian Bauckhage, and Sahin Albayrak. In *Proc. ECAI Workshop on Recommender Systems*, pages 35–38, 2008.
- [54] [Assessing the value of unrated items in collaborative filtering](#). Jérôme Kunegis, Andreas Lommatzsch, Martin Mehlitz, and Sahin Albayrak. In *Proc. Int. Conf. on Digital Information Management*, pages 212–216, 2007.
- [55] [Adapting ratings in memory-based collaborative filtering using linear regression](#). Jérôme Kunegis and Sahin Albayrak. In *Proc. Int. Conf. on Information Reuse and Integration*, 2007.
- [56] [Collaborative filtering using electrical resistance network models with negative edges](#). Jérôme Kunegis and Stephan Schmidt. In *Proc. Industrial Conf. on Data Mining*, pages 269–282, 2007.



- [57] [Scalable bandwidth optimization in advance reservation networks](#). Stephan Schmidt and Jérôme Kunegis. In *Proc. Int. Conf. on Networks*, pages 95–100, 2007.
- [58] [Resource-aware update policy for highly dynamic P2P networks](#). Dragan Milošević, Jérôme Kunegis, and Sahin Albayrak. In *Proc. WI Workshops*, 2007.
- [59] [Using novel IR measures to learn optimal cluster structures for web information retrieval](#). Martin Mehlitz, Jérôme Kunegis, and Sahin Albayrak. In *Proc. Int. Conf. Web Intelligence*, 2007.
- [60] [A new evaluation measure for information retrieval systems](#). Martin Mehlitz, Christian Bauckhage, Jérôme Kunegis, and Sahin Albayrak. In *Proc. Int. Conf. on Systems, Man and Cybernetics*, 2007.
- [61] [A multi-agent framework for personalized information filtering](#). Andreas Lommatzsch, Martin Mehlitz, and Jérôme Kunegis. In *Proc. German e-Science*, 2007.
- [62] [Ein gradualisiertes Community-Modell zur Bildung wissenschaftlicher Gemeinschaften](#). Michael Hahne, Corinna Jung, Jérôme Kunegis, Andreas Lommatzsch, and André Paus. In *Analyse sozialer Netzwerke und Social Software – Grundlagen und Anwendungsbeispiele*, 2007.

## Keynotes and Invited Talks

- Algebraic Graph-theoretic Measures of Conflict, [Journée Graphes et Systèmes Sociaux](#) (Seminar on Graphs and Social Systems), 2016.
- Measuring Conflict in Signed Social Networks, Application of Network Theory on Computational Social Science (Workshop), 2015.
- Large Network Collections: The Power of Many Datasets, [Int. Workshop on Social Network Analysis](#) (ARS), 2015.
- Network Analysis Tools for Online Communities: The Koblenz Network Collection. Keynote, [Workshop on Metrics, Analysis and Tools for Online Community Management](#) (MAMA), 2013.

## Other Talks

- Web Science in Practice: Web Observatories. WSTNet Web Science Summer School, 2016.
- KONECT: The Koblenz Network Collection – Towards a Broad Analysis of Complex Systems. ETH Zürich, 2015.
- Observing the Web: The Koblenz Network Collection. Bournemouth University, 2013.
- Growth and Decay: Using Machine Learning to Predict the Web’s Future, Workshop on Artificial Intelligence on the Web, 2012.
- Models of Like, Dislike, Similarity and Dissimilarity using Split-complex Numbers, University College Dublin, 2012.
- Why Is Beyoncé More Popular Than Me: Fairness, Diversity and Other Measures of Network Equality. University of Freiburg, 2012.
- Fairness on the Web: Alternatives to the Power Law. Leibniz-Institut für Sozialwissenschaften, Cologne, 2012.
- On the Spectral Evolution of Large Networks. University College Cork, 2011.
- On the Spectral Evolution of Large Networks. Fraunhofer IAIS, St. Augustin, 2011.
- On the Spectral Evolution of Large Networks. Technical University of Berlin, 2011.



- The Slashdot Zoo: Mining a Social Network with Negative Edges. Data and Knowledge Engineering Research Colloquium, Otto-von-Guericke University Magdeburg, 2010.
- The Slashdot Zoo: Mining a Social Network with Negative Edges. University of Koblenz–Landau, 2010.
- The Slashdot Zoo: Mining a Social Network with Negative Edges. University of Hannover, 2010.
- PIA+COMM – an Intelligent Search Engine. Michael Hahne, Corinna Jung, Jérôme Kunegis, Andreas Lommatzsch and André Paus. Workshop on the Formation of Social Networks in Social Software Applications, INFORMATIK, 2006.

## Posters without Publication

- Linguistic Neighbourhoods: Explaining Cultural Borders on Wikipedia through Multilingual Co-editing Activity. Anna Samoilenko, Fariba Karimi, Daniel Edler, Jérôme Kunegis, Markus Strohmaier, Int. School and Conf. on Network Science (NetSciX), 2016.
- Social Network Observatory. Jérôme Kunegis, Markus Strohmaier, Steffen Staab. Computational Social Science Winter Symposium, 2015.
- Quantifying Cultural Similarity through Language Co-occurrences in Wikipedia Editing Activity. Anna Samoilenko, Fariba Karimi, Daniel Edler, Jérôme Kunegis, Markus Strohmaier. Computational Social Science Winter Symposium, 2015.
- Polarisation in Voting Platforms: A Case Study of LiquidFeedback in the German Pirate Party. Manuel Mittler, Christoph Carl Kling, Jérôme Kunegis, Markus Strohmaier, Computational Social Science Winter Symposium, 2015.
- Twitter as a Political Network – Predicting the Following and Unfollowing Behavior of German Politicians. Julia Perl, Claudia Wagner, Jérôme Kunegis, Steffen Staab, Web Science Conf., 2015.
- Online Delegative Democracy: A Case Study of the German Pirate Party’s Voting Platform. Christoph Carl Kling, Jérôme Kunegis, Heinrich Hartmann. Computational Social Science Winter Symposium, 2014.
- Social Networking By Proxy: A Case Study of Catster, Dogster and Hamsterster. Computational Social Science Winter Symposium, 2014.
- A Theory-Driven Approach for Link and Unlink Predictions in Directed Social Networks. Julia Perl, Claudia Wagner, Jérôme Kunegis, Steffen Staab. Computational Social Science Winter Symposium, 2014.
- [KONECT – The Koblenz Network Collection](#). Jérôme Kunegis, Steffen Staab, Daniel Dünker. Int. School and Conf. on Network Science, 2012.
- [Need Networks? KONECT – The Koblenz Network Collection](#). European Summer School on Information Retrieval, 2011.
- [KONECT – The Koblenz Network Collection](#). Web Science Conf., 2011.
- [Uncovering Multi-modal Spread Modes using Joint Diagonalization in Dynamic Human Contact Networks](#). Damien Fay, Jérôme Kunegis, Eiko Yoneki. Interdisciplinary Workshop on Information and Decision in Social Networks, 2011.
- [On the Spectral Evolution of Large Networks](#). Postersession für Nachwuchswissenschaftler/innen, University of Koblenz–Landau, 2011.
- [On the Spectral Evolution of Large Networks](#). SIAM Conf. on Data Mining Doctoral Forum, 2010.

## Demonstrations and Presentations

- Institute for Web Science and Technologies, conference booth. [INFORMATIK 2013](#).
- Schülerinformationstage, Institute for Web Science and Technologies, University of Koblenz–Landau, 2011, 2013, 2015, 2016.
- LiveTweet: Monitoring and Predicting Interesting Microblog Posts, [European Conference on Information Retrieval](#) (ECIR), 2012.
- Time-aware Centrality in Contact Network Analysis. Eiko Yoneki, Damien Fay, Jérôme Kunegis. [European Conference on Complex Systems](#) (ECCS), 2011.
- PIA, Spree, CeBIT, 2010.
- PIA+COMM, CeBIT, 2007.
- PIA, Lange Nacht der Wissenschaften Berlin/Potsdam, 2006.

## Mentions in Media

- [Die Abstimmungssoftware LiquidFeedback in der Piratenpartei: wegweisend für Demokratie 2.0?](#), [www.piratenpartei.de](http://www.piratenpartei.de), May 2015.
- [Come ha funzionato davvero la democrazia liquida dei Pirati tedeschi](#), Wired Italia, April 2015.

## Awards and Nominations

- First Prize, Int. Conf. on Web and Social Media (ICWSM) Science Slam, 2016.
- Best Poster Award, Int. School and Conf. on Network Science (NetSciX), 2016.
- Best Paper Honorable Mention, Int. Conf. on Web and Social Media (ICWSM), 2015.
- Ted Nelson Newcomer Award Nominee, Conf. on Hypertext and Social Media (HT), 2012.
- Student Travel Award, Int. Conf. on Information and Knowledge Management (CIKM), 2010.
- Student Travel Fellowship Award, SIAM Conf. on Data Mining (SDM), 2010.
- Best Paper Nominee, Industrial Conf. on Data Mining (IndCDM), 2007.
- Premier Prix (First Prize), Rallye mathématique d'Alsace, Terminale (Alsace Mathematical Rally), 1999.

## Main Software Authorship

- [Stu](#), build automation (C++11)
- SynGraphy, graph generator (Matlab)
- [KONECT Toolbox](#), network analysis toolbox (Matlab, C99)
- [Polcovar](#), software for counting patterns in random graphs (Matlab)
- Universal Recommender, recommendation library (Java)
- BabyChess, chess engine (C++98)
- *More: see [github.com/kunegis](https://github.com/kunegis)*

## Miscellaneous

- Birthday: March 27
- Languages: French (first language), German (first language), English (advanced)
- Programming languages and technologies I use extensively: Bourne shell, C, C++, Java, Latex, Make, Matlab, sed
- Other programming languages and technologies I have used: BASIC, HTML, JavaScript, Logo, Perl, PHP, Turbo Pascal