

[kunegis@gmail.com](mailto:kunegis@gmail.com)  
[networkscience.wordpress.com](http://networkscience.wordpress.com)

[linkedin.com/in/kunegis](https://linkedin.com/in/kunegis)  
[github.com/kunegis](https://github.com/kunegis)

## Skills

- **Languages:** French (native), German (native), English (advanced, C2), Dutch (beginner, A2), Spanish (intermediate), Portuguese (beginner).
- **Programming languages:** Major work performed in: C (C90, C99), C++ (experience with C++98, C++14, C++20), Java (SE 6), Matlab (2009), Perl (5), Python (3), shell scripting (POSIX, Bash, KornShell (KSH)); work performed in: Ada, AWK, BASIC, JavaScript, Julia, Logo, Object Pascal, Octave, PHP, Turbo Pascal.
- **Operating systems:** Major work performed on: GNU/Linux (Ubuntu, Red Hat), Windows, AIX; work performed on: FreeBSD, macOS.
- **Source code management and bug tracking:** Bugzilla, CVS, Git, Gitlab/Github/Bitbucket, Jira, Kanban, Subversion/SVN.
- **Build systems and continuous integration/delivery (CI/CD):** Ant, Autoconf/Autoconf/Automake, Cook, Jenkins, Make, Maven, Stu (I am the author).
- **Typesetting and layouting:** CSS, HTML, JSP, Tex/Latex.
- **Query, data processing and representation technologies:** CSV, RDF, relational databases, sed, SQL, XSLT.
- **Programming methodologies and topics:** Agent-oriented programming, agile software development, character encodings, chess programming, data manipulation / data engineering, internationalization, linear programming / optimization, machine learning, message passing, numerical computing, object oriented programming, parsing, regular expressions, scrum, systems programming, visualization / plotting.
- **Networking and organizational skills:** Organisation of conferences, workshops, off-campus meetings, use of Twitter/Facebook for outreach, popularization of scientific topics.
- **Teaching and didactical skills:** Lectures, seminars, projects, supervision of bachelor/master/PhD theses, drafting and correcting exams. I have given both lectures and academic talks in English, French and German.
- **Scientific topics:** Algebraic graph theory, complex networks, data mining, databases / relational algebra, game theory, graph theory, linear algebra, machine learning, matrix decompositions, network science, network theory, random graphs, recommender systems, search engines / information retrieval, semantic web, web science.
- **Research highlights:** First study and large published dataset about social networks with negative ‘enemy’ edges [30], large-scale study of web tracking [12], algebraic analysis of bipartite networks [26] and signed graphs [27], invented a machine learning technique for link prediction [29], introduced the spectral evolution model for networks [25], introduced measures for the skewness of degree distributions [21].

## Soft Skills

- **Adaptability:** I have worked both in the industry and in academia. This gives me a unique perspective on the value of programming and management techniques, as well as the experience when to use them.

<sup>1</sup>This version of this file is up to date as of February 24, 2023.


- **Communication:** I love to convey ideas to other people. As a scientist, talking about new approaches to problems is second nature to me. As is disseminating results to larger audiences.
- **Teamwork:** I am able to work in teams small and large, with collaborators close and distant, from my own teams as well as from other companies. I have both managed a team of developers, as well as been an individual developer in a team.
- **Creativity:** My usual approach is to go beyond the standard “do what everyone does” and to find novel solutions to problems. This is a core skill for a scientist, which I also strive to apply to software development.
- **Analytic thinking:** Being precise is important to me. “It kind of works” is not enough – things must be shown to work via extensive testing, as well as via theoretical consideration.
- **Eclecticism:** There’s more than one way to do it. I don’t believe that there is one ideal way to solve a given problem. In my career, I have learned and used a large diversity of programming languages in order to give me a broad range of tools to solve real-world computer science problems.

## Software Development

- **CREST over SwiftNet** 2023–present  
Message passing platform (C, C++)
- **FractAda** 2022  
Animated fractal generation (Ada)
- **Flora** 2020–present  
Plant collection database and phylogenetic visualization tool (C++20)
- **Tracking Analysis** 2018  
Analysis of large-scale web tracking data (shell script, Matlab)
- **Santé** 2018–present  
Health data mining and analysis (Python)
- **Social Information Processing** 2014–2017  
Cloud infrastructure for intra-department collaboration on computing projects (acquisition and management of 18-machine cloud)
- **REVEAL** 2014–2016  
Latent data discovery (Octave)
- **LiquidFeedback** 2014–2015  
Extraction and analysis of data from a liquid democracy platform (Python, shell scripting)
- **Polcovar** 2013  
Symbolic calculation of the number of arbitrary subgraph counts in Erdős–Rényi graphs (Matlab, Octave)
- **SynGraphy** 2013–2015  
A library for graph generation based on arbitrary graph properties (Matlab)
- **Petster** 2013–2017  
Crawling and analysis of social media data from pet social networks (shell scripting, Matlab, Python)
- **SocialSensor** 2013–2014  
Social media content analysis platform (Java)
- **KONECT-Toolbox** 2012–2022  
Toolbox for calculation of network statistics, matrix decompositions and other characteristics (Matlab, Octave)
- **Stu** 2012–present  
Build system for large data analysis projects (C++14)
- **KONECT-Web** 2011–present  
Website of the KONECT project (HTML, shell scripting, Perl, Octave, Stu)

- **KONECT-Analysis** 2011–2022  
Analysis code of KONECT, creation of plots and visualizations (C++11, shell scripting, Matlab, Octave, Julia, Perl)
- **KONECT-Extr** 2010–2019  
Extraction library for the 1000+ KONECT network datasets (shell scripting, C99, Perl)
- **ROBUST** 2010–2013  
Analysis of business communities (Java)
- **LiveTweet** 2010–2011  
Extraction and analysis of Twitter trends (Java, Matlab)
- **Learning Semantic Recommenders** 2010  
Link prediction library on network data with semantic relationships (Java)
- **SmartSenior** 2009–2010  
Intelligent services for elderly people (Java)
- **WebTV** 2008–2010  
Recommender system for smart TVs (Java)
- **Slashdot Zoo** 2008–2009  
Crawling Slashdot.org and analysis of friend/foe relationships (shell scripting, Matlab)
- **Universal Recommender** 2007–2010  
Library for building recommender systems (Java)
- **Search Results Optimization via Linear Integer Programming** 2006  
Search engine using linear integer programming to support hard and soft constraints (Java)
- **DDDC** 2005–2010  
Monitoring tool for continuous deployment (shell scripting)
- **PIA – Personal Information Agent** 2002–2010  
Search engine and social exchange site for scientific documents (Java, HTML, CSS)
- **BabyChess** 1998–2006  
Chess engine and desktop application (C++98)

## Education

- [E1] **Dr. rer. nat.**, University of Koblenz–Landau, Germany 2011      
(Computer science, PhD-equivalent)  
Thesis: *On the Spectral Evolution of Large Networks*
- [E2] **Dipl.-Inform.**, Technical University of Berlin 2006   
(Computer science, Master-equivalent)  
Thesis: *Using Integer Linear Programming for Search Results Optimization*
- [E3] **Vordiplom**, Technical University of Berlin 2003  
(Computer science, Bachelor-equivalent)  
Studiengang: Informatik
- [E4] **Baccalauréat**, Lycée Français de Berlin 1999  
(French high school diploma)  
Série scientifique
- [E5] **Abitur**, Lycée Français de Berlin 1999  
(German high school diploma)  
Leistungskurse: Mathematik, Physik
- [E6] **Diplôme national du brevet**, Lycée Français de Berlin 1996  
Série collège

<b>Positions</b>	<b>Dev/Systems Engineer</b>	2023–present
	Society for Worldwide Interbank Financial Telecommunication	
	<b>Postdoctoral Researcher</b>	2017–2019
	Namur Center for Complex Systems (naXys), University of Namur	
	<b>Postdoctoral Researcher</b>	2011–2016
	Institute for Web Science and Technologies, University of Koblenz–Landau	
	<b>Visiting Postdoctoral Researcher</b>	2013
	Networks and Operating Systems Group, University of Cambridge	
	<b>Research Assistant</b>	2010–2011
	Institute for Web Science and Technologies, University of Koblenz–Landau	
<b>Research Projects</b>	<b>Research Assistant</b>	2006–2010
	DAI Laboratory, Technical University of Berlin	
	<b>Student Research Assistant</b>	2002–2006
	DAI Laboratory, Technical University of Berlin	
	<b>Intern, Air Traffic Control Tower</b>	1997
	Berlin-Tempelhof Airport	
	• <a href="#">KONECT</a>	2011–present
	Koblenz Network Collection	
	• <a href="#">IDEES</a> (ERDF/FEDER – Wallonia/Wallonie)	2017–2019
	L’Internet de Demain pour développer les Entreprises, l’Économie et la Société	
	• <a href="#">REVEAL</a> (EU FP7-ICT)	2014–2016
	Revealing Hidden Concepts in Social Media	
	• SIP (DFG WGI)	2014–2016
	Social Information Processing – Cloud Infrastructure at the Univ. of Koblenz–Landau	
	• <a href="#">SocialSensor</a> (EU FP7-ICT)	2013–2014
	Sensing User Generated Input for Improved Media Discovery and Experience	
	• <a href="#">KONECT Cloud</a>	2012–2013
	Large Scale Network Mining in the Cloud	
	• <a href="#">ROBUST</a> (EU FP7-ICT)	2010–2013
	Risk and Opportunity Management of Huge-Scale Business Community Cooperation	
	• <a href="#">WeKnowIt</a> (EU FP7-ICT)	2010
	Emerging, Collective Intelligence for Personal, Organisational and Social Use	
	• MULTIPLA (DFG)	2010
	Multi-Ontology Learning: Crossing the Boundaries of Domains and Languages	
	• <a href="#">LSR</a>	2010
	Learning Semantic Recommenders	
	• <a href="#">UCPM</a>	2010
	User Centric Profile Management	
	• <a href="#">SERUM</a>	2010
	Semantic Recommenders Based on Large Unstructured Datasets	
	• <a href="#">Connected Living</a>	2009–2010
	Innovationszentrum “Vernetztes Leben” – Innovation Center “Connected Living”	
	• <a href="#">SmartSenior</a>	2009–2010
	Subproject Service Infrastructure and Usability Engineering – Intelligent Services for Elderly People	
	• WebTV	2009–2010
	Semantic TV Recommendations	
	• <a href="#">PIA</a>	2006–2010
	Personal Information Agent	

<b>Lecturing</b>	<ul style="list-style-type: none"> <li>• Graph Theory (Théorie des graphes, in French), Mathematics (BSc), Univ. of Namur, First Quadrimester 2017/18, 2018/19.</li> <li>• Network Theory and Dynamic Systems (in English), Web Science (MSc), Univ. of Koblenz–Landau, Summer Term 2014, 2015, 2016.</li> <li>• Introduction to Database Systems (Grundlagen der Datenbanken, in German), Computer Science (BSc), Univ. of Koblenz–Landau, Winter Term 2012/13, 2013/14, 2014/15, 2015/16.</li> </ul>
<b>Other Teaching</b>	<ul style="list-style-type: none"> <li>• Advanced Topics in Network Science (Seminar), Univ. of Koblenz–Landau, Summer Term 2016.</li> <li>• 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), Univ. of Koblenz–Landau, Winter Term 2015/2016.</li> <li>• Recommender Systems (Seminar), Univ. of Koblenz–Landau, Summer Term 2015.</li> <li>• Distributed Scalable Network Analysis (Research Lab), Univ. of Koblenz–Landau, Winter Term 2014/2015.</li> <li>• Advanced Topics in Network Theory (Seminar), Univ. of Koblenz–Landau, Summer Term 2014.</li> <li>• Network Theory and Dynamic Systems, Web Science (MSc), tutoring, Univ. of Koblenz–Landau, Summer Term 2013, 2014.</li> <li>• Social Networks (Soziale Netzwerke, Proseminar), Univ. of Koblenz–Landau, Summer Term 2012, 2013.</li> <li>• Introduction to Database Systems (Grundlagen der Datenbanken), tutoring, Computer Science (BSc), Univ. of Koblenz–Landau, Winter Term 2010/2011, 2011/2012.</li> </ul>
<b>Supervised Theses</b>	<ul style="list-style-type: none"> <li>• Marcel Reif. Automatische Erkennung von exakten und Near-Duplikaten in einer Netzwerkdatenbank, <i>BSc</i>, Univ. of Koblenz–Landau, 2016. </li> <li>• Nils Geilen. Entwicklung eines Systems zur Vorhersage von Nutzeraktivität auf den Diskussionsseiten der Wikipedia, <i>BSc</i>, Univ. of Koblenz–Landau, 2015. </li> <li>• Jesús Cabello González. Berechnung und Approximation von Kürzeste-Pfad-Statistiken in großen Netzwerken für KONECT, <i>BSc</i>, Univ. of Cádiz, 2014. </li> <li>• Julia Preusse. Analysis of the WebUni Online Student Community, <i>Dipl.-Inform.</i>, Otto von Guericke Univ. Magdeburg, 2010. </li> <li>• Stephan Spiegel. A Hybrid Approach to Recommender Systems based on Matrix Factorization, <i>Dipl.-Inform.</i>, Tech. Univ. Berlin, 2009. </li> <li>• Christian Banik. Recommending Wiki Articles using Collaborative Filtering, <i>Dipl.-Inform.</i>, Tech. Univ. Berlin, 2009. </li> <li>• Iris Breddin. Untersuchung der Klassifizierbarkeit und Klassifikation von Schweißnahtdaten, <i>Dipl.-Inform.</i>, Tech. Univ. Berlin, 2008. </li> </ul>
<b>Conference Organization</b>	<ul style="list-style-type: none"> <li>• <a href="#">Joint International Workshop on Social Influence Analysis and Mining Actionable Insights from Social Networks</a> (SocInf+MAISoN) at the Int. Jt. Conf. on Artif. Intell. and Eur. Conf. on Artif. Intell. (IJCAI-ECAI), 2018, Stockholm, Sweden, Program Chair. </li> <li>• <a href="#">WeST Off-Campus Meeting</a> (OCM), 2016, La Roche-en-Ardenne, Belgium, Chair. </li> <li>• <a href="#">INFORMATIK</a> (largest German computer science conference), 2013, Koblenz, Germany, Publicity Chair. </li> <li>• <a href="#">Web Science Conference</a>, 2011, Koblenz, Germany, Publicity Chair. </li> <li>• <a href="#">Special Session on Uncertainty in Network Mining</a> (UNM) at the Int. Conf. on Inf. Processing and Manag. of Uncertainty in Knowl.-based Syst. (IPMU), 2010, Dortmund, Germany, Technical Chair. </li> </ul>

## Articles






- [1] [Understanding Social Networks using Transfer Learning](#). Jun Sun, Steffen Staab, Jérôme Kunegis, *IEEE Comput. Mag.*, 51(6):52–60, 2018. 
- [2] [On the Ubiquity of Web Tracking: Insights from a Billion-Page Web Crawl](#). Sebastian Schelter, Jérôme Kunegis, *J. of Web Sci.*, 4(4):53–66, 2018.     
- [3] [The Problem of Action at a Distance in Networks and the Emergence of Preferential Attachment from Triadic Closure](#). Jérôme Kunegis, Fariba Karimi, Jun Sun, *J. of Interdiscip. Methodol. and Issues in Sci.*, 2, Graphs and Social Systems, 2017.    
- [4] [Continuous-Time Quantum Walks on Directed Bipartite Graphs](#). Beat Tödtli, Monika Laner, Jouri Semenov, Beatrice Paoli, Marcel Blattner, Jérôme Kunegis, *Phys. Rev. A*, 94(5):052338, 2016.   
- [5] [Linguistic Neighbourhoods: Explaining Cultural Borders on Wikipedia through Multilingual Co-editing Activity](#). Anna Samoilenko, Fariba Karimi, Daniel Edler, Jérôme Kunegis, Markus Strohmaier, *Eur. Phys. J. Data Sci.*, 5:9, 2016.    
- [6] [Glaubwürdigkeit und Vertrauen von Online-News](#). Ines C. Vogel, Jutta Milde, Karin Stengel, Steffen Staab, Christoph Carl Kling, Jérôme Kunegis, *Datenschutz und Datensicherheit*, 40(5):312–316, 2015. 
- [7] [Exploiting the Structure of Bipartite Graphs for Algebraic and Spectral Graph Theory Applications](#). Jérôme Kunegis, *Internet Math.*, 11(3):201–321, 2015.  
- [8] [Spectral Evolution in Dynamic Networks](#). Jérôme Kunegis, Damien Fay, Christian Bauckhage, *Knowl. and Inf. Syst.*, 37(1):1–36, 2013. 
- [9] [Discriminating Graphs through Spectral Projections](#). Damien Fay, Hamed Haddadi, Steve Uhlig, Liam Kilmartin, Andrew W. Moore, Jérôme Kunegis, Marios Iliofotou, *Comput. Netw.*, 55(15):3458–3468, 2011. 
- [10] [Ein gradualisiertes Community-Modell zur Bildung wissenschaftlicher Gemeinschaften](#). Michael Hahne, Corinna Jung, Jérôme Kunegis, Andreas Lommatzsch, André Paus, In: *Analyse sozialer Netzwerke und Social Software – Grundlagen und Anwendungsbeispiele*, 2007.  

## Conference Papers




















- [11] [‘Dark Germany’: Hidden Patterns of Participation in Online Far-Right Protests Against Refugee Housing](#). Sebastian Schelter, Jérôme Kunegis, In: *Proc. Int. Conf. on Soc. Inform.*, pp. 277–288, 2017.  
- [12] [Tracking the Trackers: A Large-Scale Analysis of Embedded Web Trackers](#). Sebastian Schelter, Jérôme Kunegis, In: *Proc. Int. Conf. on Web and Soc. Media*, pp. 679–682, 2016.    
- [13] [Private-Collective Invention and Open Source Software: Longitudinal Insights from Linux Kernel Development](#). Dirk Homscheid, Jérôme Kunegis, Mario Schaarschmidt, In: *Proc. IFIP Conf. on e-Business, e-Services and e-Society*, pp. 299–313, 2015.  
- [14] [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, Steffen Staab, In: *Proc. Int. Conf. on Weblogs and Soc. Media*, pp. 208–217, 2015. (Won Best Paper Honorable Mention)     
- [15] [Detecting Non-Gaussian Geographical Topics in Tagged Photo Collections](#). Christoph Carl Kling, Jérôme Kunegis, Sergej Sizov, Steffen Staab, In: *Proc. Int. Conf. on Web Search and Data Min.*, pp. 603–612, 2014.  
- [16] [Preferential Attachment in Online Networks: Measurement and Explanations](#). Jérôme Kunegis, Marcel Blattner, Christine Moser, In: *Proc. Web Sci. Conf.*, pp. 205–214, 2013.    
- [17] [What Is the Added Value of Negative Links in Online Social Networks?](#) Jérôme Kunegis, Julia Preusse, Felix Schwagereit, In: *Proc. Int. World Wide Web Conf.*, pp. 727–736, 2013.   

- [18] [Centrality and Mode Detection in Dynamic Contact Graphs; a Joint Diagonalisation Approach](#). Damien Fay, Jérôme Kunegis, Eiko Yoneki, In: *Proc. Int. Conf. on Advances in Soc. Netw. Anal. and Min.*, pp. 41–48, 2013. 
- [19] [Structural Dynamics of Knowledge Networks](#). Julia Preusse, Jérôme Kunegis, Matthias Thimm, Thomas Gottron, Steffen Staab, In: *Proc. Int. Conf. on Weblogs and Soc. Media*, pp. 506–515, 2013.  
- [20] [Predicting Directed Links using Nondiagonal Matrix Decompositions](#). Jérôme Kunegis, Jörg Fliege, In: *Proc. Int. Conf. on Data Min.*, pp. 948–953, 2012.  
- [21] [Fairness on the Web: Alternatives to the Power Law](#). Jérôme Kunegis, Julia Preusse, In: *Proc. Web Sci. Conf.*, pp. 175–184, 2012.    
- [22] [Diversity Dynamics in Online Networks](#). Jérôme Kunegis, Sergej Sizov, Felix Schwagereit, Damien Fay, In: *Proc. Conf. on Hypertext and Soc. Media*, pp. 255–264, 2012. (Nelson Newcomer Award Nominee)   
- [23] [Searching Microblogs: Coping with Sparsity and Document Quality](#). Nasir Naveed, Thomas Gottron, Jérôme Kunegis, Arifah Che Alhadi, In: *Proc. Int. Conf. on Inf. and Knowl. Manag.*, pp. 183–188, 2011.   
- [24] [Bad News Travels Fast: A Content-based Analysis of Interestingness on Twitter](#). Nasir Naveed, Thomas Gottron, Jérôme Kunegis, Arifah Che Alhadi, In: *Proc. Web Sci. Conf.*, 2011.     
- [25] [Network Growth and the Spectral Evolution Model](#). Jérôme Kunegis, Damien Fay, Christian Bauckhage, In: *Proc. Int. Conf. on Inf. and Knowl. Manag.*, pp. 739–748, 2010. (Won Student Travel Award)   
- [26] [The Link Prediction Problem in Bipartite Networks](#). Jérôme Kunegis, Ernesto W. De Luca, Şahin Albayrak, In: *Proc. Int. Conf. in Inf. Process. and Manag. of Uncertain. in Knowl.-based Syst.*, pp. 380–389, 2010.    
- [27] [Spectral Analysis of Signed Graphs for Clustering, Prediction and Visualization](#). Jérôme Kunegis, Stephan Schmidt, Andreas Lommatzsch, Jürgen Lerner, In: *Proc. SIAM Int. Conf. on Data Min.*, pp. 559–570, 2010. (Won Student Travel Fellowship Award)      
- [28] [Connecting Senior Citizens through Interactive TV](#). Barış Karataş, Torsten Schmidt, Jérôme Kunegis, Till Plumbaum, In: *Proc. Ambient Assist. Living*, 2010. 
- [29] [Learning Spectral Graph Transformations for Link Prediction](#). Jérôme Kunegis, Andreas Lommatzsch, In: *Proc. Int. Conf. on Mach. Learn.*, pp. 561–568, 2009.     
- [30] [The Slashdot Zoo: Mining a Social Network with Negative Edges](#). Jérôme Kunegis, Andreas Lommatzsch, Christian Bauckhage, In: *Proc. Int. World Wide Web Conf.*, pp. 741–750, 2009.     
- [31] [Alternative Similarity Functions for Graph Kernels](#). Jérôme Kunegis, Andreas Lommatzsch, Christian Bauckhage, In: *Proc. Int. Conf. on Pattern Recognit.*, 2008.   
- [32] [Modeling Collaborative Similarity with the Signed Resistance Distance Kernel](#). Jérôme Kunegis, Stephan Schmidt, Christian Bauckhage, Martin Mehlitz, Şahin Albayrak, In: *Proc. Eur. Conf. on Artif. Intell.*, pp. 261–265, 2008.   
- [33] [Assessing the Value of Unrated Items in Collaborative Filtering](#). Jérôme Kunegis, Andreas Lommatzsch, Martin Mehlitz, Şahin Albayrak, In: *Proc. Int. Conf. on Digital Inf. Manag.*, pp. 212–216, 2007.  
- [34] [Adapting Ratings in Memory-Based Collaborative Filtering using Linear Regression](#). Jérôme Kunegis, Şahin Albayrak, In: *Proc. Int. Conf. on Inf. Reuse and Integration*, pp. 49–54, 2007.  
- [35] [Collaborative Filtering using Electrical Resistance Network Models with Negative Edges](#). Jérôme Kunegis, Stephan Schmidt, In: *Proc. Industrial Conf. on Data Min.*, pp. 269–282, 2007. (Best Paper Nominee)  





- [36] [A Multi-agent Framework for Personalized Information Filtering](#). Andreas Lommatzsch, Martin Mehlitz, Jérôme Kunegis, In: *Proc. German e-Science*, 2007.  
- [37] [Using Novel IR Measures to Learn Optimal Cluster Structures for Web Information Retrieval](#). Martin Mehlitz, Jérôme Kunegis, Şahin Albayrak, In: *Proc. Int. Conf. on Web Intell.*, pp. 312–316, 2007. 
- [38] [Scalable Bandwidth Optimization in Advance Reservation Networks](#). Stephan Schmidt, Jérôme Kunegis, In: *Proc. Int. Conf. on Netw.*, pp. 95–100, 2007. 
- [39] [A New Evaluation Measure for Information Retrieval Systems](#). Martin Mehlitz, Christian Bauckhage, Jérôme Kunegis, Şahin Albayrak, In: *Proc. Int. Conf. on Syst., Man and Cybern.*, pp. 1200–1204, 2007. 


## Workshop Papers

- [40] [Predicting User Roles in Social Networks using Transfer Learning with Feature Transformation](#). Jun Sun, Jérôme Kunegis, Steffen Staab, In: *Proc. Int. Conf. on Data Min. Workshops*, pp. 128–135, Int. Workshop on Data Min. in Netw., 2016.   
- [41] [KONECT – The Koblenz Network Collection](#). Jérôme Kunegis, In: *Proc. Int. Conf. on World Wide Web Companion*, pp. 1343–1350, Web Obs. Workshop, 2013.    
- [42] [Online Dating Recommender Systems: The Split-complex Number Approach](#). Jérôme Kunegis, Gerd Gröner, Thomas Gotttron, In: *Proc. RecSys Workshop on Recomm. Syst. and the Soc. Web*, pp. 37–44, 2012.    
- [43] [KONECT Cloud – Large Scale Network Mining in the Cloud](#). Jérôme Kunegis, In: *Proc. Spring 2012 Future SOC Lab Day*, pp. 107–110, HPI Technical Report Series, 2012.    
- [44] [Link Prediction on Evolving Data using Tensor Factorization](#). Stephan Spiegel, Jan Clausen, Şahin Albayrak, Jérôme Kunegis, In: *Proc. Int. Conf. on Data Min. Workshops*, pp. 262–269, Workshop on Behav. Informat., 2011.  
- [45] [Multilingual Ontology-based User Profile Enrichment](#). Ernesto W. De Luca, Till Plumbaum, Jérôme Kunegis, Şahin Albayrak, In: *Proc. Int. Conf. on World Wide Web Companion*, pp. 41–42, Workshop on the Multiling. Semant. Web, 2010. 
- [46] [Hydra: A Hybrid Recommender System \[Cross-Linked Rating and Content Information\]](#). Stephan Spiegel, Jérôme Kunegis, Fang Li, In: *Proc. Int. Workshop on Complex Netw. Meet Inf. and Knowl. Manag.*, pp. 75–80, 2009. 
- [47] [On the Scalability of Graph Kernels Applied to Collaborative Recommenders](#). Jérôme Kunegis, Andreas Lommatzsch, Christian Bauckhage, Şahin Albayrak, In: *Proc. Eur. Conf. on Artif. Intell. Workshops*, pp. 35–38, Workshop on Recomm. Syst., 2008.  
- [48] [Resource-Aware Update Policy for Highly Dynamic P2P Networks](#). Dragan Milošević, Jérôme Kunegis, Şahin Albayrak, In: *Proc. Int. Conf. on Web Intell. and Intell. Agent Tech. Workshops*, pp. 419–423, Int. Workshop on P2P Comput. and Auton. Agents, 2007. 

## Reference Works

- [49] [Spectral Evolution of Social Networks](#). Jérôme Kunegis, *Encyclopedia of Soc. Netw. Anal. and Min.*, Springer, 2013, 2017. 
- [50] [Social Network Datasets](#). Jérôme Kunegis, *Encyclopedia of Soc. Netw. Anal. and Min.*, Springer, 2013, 2017. 





## Abstracts

- [51] [The Role of Cultural Importance in Sister City Relationships](#). Mridul Seth, Jérôme Kunegis, Renaud Lambiotte, In: *Proc. Wiki Workshop*, 2018. 
- [52] [SynGraphy: Succinct Summarisation of Large Networks via Small Synthetic Representative Graphs](#). Jérôme Kunegis, Pawan Kumar Jun Sun, Giuseppe Pirrò, In: *Proc. Int. Sch. and Conf. on Netw. Sci.*, 2018.














- [53] [SynGraphy: Succinct Summarisation of Large Networks via Small Synthetic Representative Graphs](#). Jérôme Kunegis, Pawan Kumar, Jun Sun, Giuseppe Pirrò, Anna Samoilenko, In: *Proc. Belg. Netw. Res. Meet.*, 2017.  
- [54] [Socio-semantic Aspects of Wikipedia Usage across Five Languages](#). Yérali Gandica, Jérôme Kunegis, In: *Proc. Eur. Conf. on Soc. Netw.*, 2017. 
- [55] [Linguistic Neighbourhoods: Explaining Cultural Borders on Wikipedia Through Multilingual Co-editing Activity](#). Anna Samoilenko, Fariba Karimi, Daniel Edler, Jérôme Kunegis, Markus Strohmaier, In: *Proc. Int. Conf. on Comput. Soc. Sci.*, 2017. 
- [56] [‘Dark Germany’: Temporal Characteristics and Connectivity Patterns in Online Far-Right Protests Against Refugee Housing](#). Sebastian Schelter, Jérôme Kunegis, In: *Proc. Web Sci. Conf. Extended Abstracts*, 2017.  
- [57] [The Problem of Action at a Distance in Networks and the Emergence of Preferential Attachment from Triadic Closure](#). Jérôme Kunegis, Fariba Karimi, Jun Sun, In: *Proc. Int. Sch. and Conf. on Netw. Sci.*, 2017.  
- [58] [A Random Graph Model based on a Given Set of Networks](#). Jérôme Kunegis, Jun Sun, Eiko Yoneki, In: *Proc. Int. Sch. and Conf. on Netw. Sci.*, 2016. 
- [59] [Social Networking by Proxy: Analysis of Dogster, Catster and Hamsterster](#). Daniel Dünker, Jérôme Kunegis, In: *Proc. Int. Conf. on World Wide Web Companion*, pp. 361–362, 2015.  
- [60] [Twitter as a Political Network – Predicting the Following and Unfollowing Behavior of German Politicians](#). Julia Perl, Claudia Wagner, Jérôme Kunegis, Steffen Staab, In: *Proc. Web Sci. Conf.*, 2015. 
- [61] [Linguistic Influence Patterns within the Global Network of Wikipedia Language Editions](#). Anna Samoilenko, Fariba Karimi, Jérôme Kunegis, Daniel Edler, Markus Strohmaier, In: *Proc. Web Sci. Conf.*, 2015. 
- [62] [KONECT – The Koblenz Network Collection](#). Jérôme Kunegis, Steffen Staab, Daniel Dünker, In: *Proc. Int. Sch. and Conf. on Netw. Sci.*, 2012. 
- [63] [LiveTweet: Monitoring and Predicting Interesting Microblog Posts](#). Arifah Che Alhadi, Thomas Gottron, Jérôme Kunegis, Nasir Naveed, In: *Proc. Eur. Conf. on Inf. Retrieval Demonstrations*, pp. 569–570, 2012.  
- [64] [Time-Aware Centrality in Contact Network Analysis](#). Eiko Yoneki, Damien Fay, Jérôme Kunegis, In: *Proc. Eur. Conf. on Complex Syst.*, pp. 58, 2011. 
- [65] [LiveTweet: Microblog Retrieval Based on Interestingness and an Adaptation of the Vector Space Model](#). Arifah Che Alhadi, Thomas Gottron, Jérôme Kunegis, Nasir Naveed, In: *Proc. Text Retrieval Conf.*, 2011. 
- [66] [One Community Does Not Rule Them All](#). Thomas Gottron, Jérôme Kunegis, Ansgar Scherp, Steffen Staab, In: *Proc. Web Sci. Conf.*, 2011. 
- [67] [Challenges in Mining Social Media: Sparsity and Quality](#). Thomas Gottron, Nasir Naveed, Jérôme Kunegis, Arifah Che Alhadi, In: *Proc. Challenges in Document Min. (Dagstuhl Seminar 11171)*, 2011.
- [68] [Exploiting Hierarchical Tags for Context-awareness](#). Alan Said, Jérôme Kunegis, Ernesto W. De Luca, Şahin Albayrak, In: *Proc. Workshop on Exploiting Semantic Annotations for Inf. Retrieval*, pp. 35–36, 2010.  





## Other Publications




- [69] [SynGraphy: Succinct Summarisation of Large Networks via Small Synthetic Representative Graphs](#). Jérôme Kunegis, Pawan Kumar, Jun Sun, Anna Samoilenko, Giuseppe Pirrò, *CoRR*, abs/2302.07755, 2023. 
- [70] [Modeling the Evolution of Networks as Shrinking Structural Diversity](#). Jérôme Kunegis, *CoRR*, abs/2009.09764, 2020. 
- [71] [Handbook of Network Analysis \[KONECT project\]](#). Jérôme Kunegis, *CoRR*, abs/1402.5500(v4), 2017.  

	[72] <a href="#">Social Networking by Proxy: A Case Study of Catster, Dogster and Hamsterster</a> . Daniel Dünker, Jérôme Kunegis, <i>CoRR</i> , abs/1501.04527, 2015. 
	[73] <a href="#">Applications of Structural Balance in Signed Social Networks</a> . Jérôme Kunegis, <i>CoRR</i> , abs/1402.6865, 2014. 
	[74] <a href="#">DecLiNe – Models for Decay of Links in Networks</a> . Julia Preusse, Jérôme Kunegis, Matthias Thimm, Sergej Sizov, <i>CoRR</i> , abs/1403.4415, 2014. 
	[75] <a href="#">Polcovar: Software for Computing the Mean and Variance of Subgraph Counts in Random Graphs</a> . Jérôme Kunegis, <i>CoRR</i> , abs/1402.5835, 2014.  
	[76] <a href="#">On Joint Diagonalisation for Dynamic Network Analysis</a> . Damien Fay, Jérôme Kunegis, Eiko Yoneki, Technical report, University of Cambridge, 2011.  
	[77] <a href="#">Semantic Engine</a> . Andreas Lommatzsch, Jérôme Kunegis, Torsten Schmidt, Stefan Marx, White paper, 2010.  
	[78] <a href="#">The Universal Recommender</a> . Jérôme Kunegis, Alan Said, Winfried Umbrath, White paper, 2009.  
<b>Keynotes and Invited Talks</b>	[T1] Cats, Dogs, and Hamsters: The Secret Online Network of Pet Owners, <a href="#">DataBeers Brussels</a> , 2017.  
	[T2] <a href="#">Algebraic Graph-theoric Measures of Conflict</a> , <i>Journée Graphes et Systèmes Sociaux</i> (Seminar on Graphs and Soc. Syst.), 2016.  
	[T3] Measuring Conflict in Signed Social Networks, Application of Netw. Theory on Comput. Soc. Sci. (Workshop), 2015.
	[T4] Large Network Collections: The Power of Many Datasets, <a href="#">Int. Workshop on Soc. Netw. Anal. (ARS)</a> , 2015. 
	[T5] <a href="#">Network Analysis Tools for Online Communities: The Koblenz Network Collection</a> . Keynote, <a href="#">Workshop on Metrics, Anal. and Tools for Online Community Manag.</a> (MAMA), 2013.  
<b>Academic Tutorials</b>	[T6] <a href="#">Network Analysis in the Age of Large Network Dataset Collections – Challenges, Solutions and Applications</a> . Jérôme Kunegis, Renaud Lambiotte, Int. Conf. on Inf. and Knowl. Manag., 2017.  
	[T7] <a href="#">Web Science in Practice: Web Observatories</a> . Jérôme Kunegis, Steffen Staab, WSTNet Web Sci. Summer Sch., 2016.   
<b>Other Talks</b>	[T8] Prediction of Network Semantics from Network Structure: Approaches Based on Large Network Collections. Univ. of Mons, 2018.
	[T9] <a href="#">What Is the Difference between a Social and a Hyperlink Network? – How the Type of Network Can Be Determined from the Network Structure Alone</a> . Workshop on Network Comparison, Univ. of Oxford, 2017. 
	[T10] <a href="#">Measuring the Conflict in a Social Network with Friends and Foes: A Recent Algebraic Approach</a> . Tech. Univ. Berlin, 2017. 
	[T11] <a href="#">The New KONECT Project at the University of Namur</a> . Univ. of Namur, 2017. 
	[T12] <a href="#">Generating Networks with Realistic Properties Based on a Given (Set of) Network(s), and a Short Overview of the KONECT Project</a> . Univ. of Namur, 2016. 
	[T13] <a href="#">It's Really about Hamsters</a> . Int. Conf. on Weblogs and Soc. Media Sci. Slam, 2016. (Won First Prize)   
	[T14] <a href="#">KONECT: The Koblenz Network Collection – Towards a Broad Analysis of Complex Systems</a> . ETH Zürich, 2015. 
	[T15] <a href="#">Modeling the Evolution of Networks as Shrinking Structural Diversity</a> . Univ. of Koblenz–Landau, 2015. 
	[T16] <a href="#">Trust in Networks</a> . KoMePol Project, 2013. 
	[T17] <a href="#">Observing the Web: The Koblenz Network Collection</a> . Bournemouth Univ., 2013. 




- [T18] [Eight Formalisms for Defining Graph Models](#). Univ. of Koblenz–Landau, 2013. 
- [T19] [Diversity vs Uniformity: Understanding the Evolution of Large Networks](#). RO-BUST Project, 2012. 
- [T20] [Linguistic Network Analysis with the Koblenz Network Collection](#). Workshop on Modeling Linguist. Networks, 2012. 
- [T21] Growth and Decay: Using Machine Learning to Predict the Web’s Future, Workshop on Artif. Intell. on the Web, 2012.
- [T22] Models of Like, Dislike, Similarity and Dissimilarity using Split-complex Numbers, Univ. Coll. Dublin, 2012.
- [T23] [Why Is Beyoncé More Popular Than Me: Fairness, Diversity and Other Measures of Network Equality](#). Univ. of Freiburg, 2012. 
- [T24] Fairness on the Web: Alternatives to the Power Law. Leibniz-Institut für Sozialwissenschaften, Cologne, 2012.
- [T25] [KONECT – The Koblenz Network Collection](#). WSTNet Meeting, 2012. 
- [T26] On the Spectral Evolution of Large Networks. Univ. Coll. Cork, 2011.
- [T27] [Spectral Analysis of the Vector Space Model \(and Explicit Semantic Analysis\)](#). Jérôme Kunegis, Thomas Gottron, Univ. of Koblenz–Landau, 2011. 
- [T28] On the Spectral Evolution of Large Networks. Fraunhofer IAIS, St. Augustin, 2011.
- [T29] On the Spectral Evolution of Large Networks. Tech. Univ. Berlin, 2011.
- [T30] The Slashdot Zoo: Mining a Social Network with Negative Edges. Data and Knowl. Engineering Research Colloquium, Otto von Guericke Univ. Magdeburg, 2010.
- [T31] The Slashdot Zoo: Mining a Social Network with Negative Edges. Univ. of Koblenz–Landau, 2010.
- [T32] The Slashdot Zoo: Mining a Social Network with Negative Edges. Univ. of Hannover, 2010.
- [T33] [Kernel Methods](#). Competence Center for Information Retrieval and Machine Learning (CC IRML) Journal Club, DAI Laboratory, 2008. 
- [T34] [PIA+COMM – an Intelligent Search Engine](#). Michael Hahne, Corinna Jung, Jérôme Kunegis, Andreas Lommatzsch and André Paus. Workshop on the Formation of Soc. Netw. in Soc. Software Applications, INFORMATIK, 2006. 
- [T35] [Research at the DAI Laboratory](#). 2006. 
- [T36] [Schach und Computer](#). Seminar *Geschichte der Entwicklung des Computers*, Tech. Univ. Berlin, 2005. 
- [T37] [Wettkampf Kasparow – Deep Blue](#). Ahmad Haj Fares and Jérôme Kunegis. Seminar *Computerschach*, 2003. 

**Posters without Publication**

- [P1] Linguistic Neighbourhoods: Explaining Cultural Borders on Wikipedia through Multilingual Co-editing Activity. Anna Samoilenko, Fariba Karimi, Daniel Edler, Jérôme Kunegis, Markus Strohmaier, Int. Sch. and Conf. on Netw. Sci. (NetSciX), 2016. (Won Best Poster Award)  
- [P2] Do You Use Stu? Soon, You’ll Do. Jérôme Kunegis, WeST Institute Off-Campus Meeting (OCM), 2016. 
- [P3] Social Network Observatory. Jérôme Kunegis, Markus Strohmaier, Steffen Staab. Computat. Soc. Sci. Winter Symp. (CSSWS), 2015. 
- [P4] Quantifying Cultural Similarity through Language Co-occurrences in Wikipedia Editing Activity. Anna Samoilenko, Fariba Karimi, Daniel Edler, Jérôme Kunegis, Markus Strohmaier. Comput. Soc. Sci. Winter Symp. (CSSWS), 2015.
- [P5] Polarisation in Voting Platforms: A Case Study of LiquidFeedback in the German Pirate Party. Manuel Mittler, Christoph Carl Kling, Jérôme Kunegis, Markus Strohmaier, Comput. Soc. Sci. Winter Symp. (CSSWS), 2015.

- [P6] Twitter as a Political Network – Predicting the Following and Unfollowing Behavior of German Politicians. Julia Perl, Claudia Wagner, Jérôme Kunegis, Steffen Staab, Web Sci. Conf., 2015.
- [P7] Online Delegative Democracy: A Case Study of the German Pirate Party’s Voting Platform. Christoph Carl Kling, Jérôme Kunegis, Heinrich Hartmann. Comput. Soc. Sci. Winter Symp. (CSSWS), 2014.
- [P8] Social Networking By Proxy: A Case Study of Catster, Dogster and Hamsterster. Comput. Soc. Sci. Winter Symp. (CSSWS), 2014.
- [P9] A Theory-Driven Approach for Link and Unlink Predictions in Directed Social Networks. Julia Perl, Claudia Wagner, Jérôme Kunegis, Steffen Staab. Comput. Soc. Sci. Winter Symp. (CSSWS), 2014.
- [P10] Large Scale Network Analysis [KONECT – The Koblenz Network Collection]. Jérôme Kunegis, Tag der Computervisualistik (CV-Tag), University of Koblenz–Landau, 2013. 
- [P11] Need Networks? KONECT – The Koblenz Network Collection. Eur. Summer Sch. on Inf. Retrieval (ESSIR), 2011.
- [P12] KONECT – The Koblenz Network Collection. Web Sci. Conf., 2011.
- [P13] Uncovering Multi-modal Spread Modes using Joint Diagonalization in Dynamic Human Contact Networks. Damien Fay, Jérôme Kunegis, Eiko Yoneki. Interdiscip. Workshop on Inf. and Decision in Soc. Netw., 2011.
- [P14] On the Spectral Evolution of Large Networks. Postersession für Nachwuchswissenschaftler/innen, Univ. of Koblenz–Landau, 2011. 
- [P15] On the Spectral Evolution of Large Networks. SIAM Conf. on Data Min. Doctoral Forum (SIAM SDM), 2010. 

## Demonstrations

- [D1] Schülerinformationstage, Institute for Web Science and Technologies, Univ. of Koblenz–Landau, 2011, 2013, 2015, 2016. 
- [D2] Institute for Web Science and Technologies, conference booth. [INFORMATIK 2013](#).
- [D3] LiveTweet: Monitoring and Predicting Interesting Microblog Posts, [Eur. Conf. on Inf. Retrieval \(ECIR\)](#), 2012. 
- [D4] PIA, Spree, CeBIT, 2010.
- [D5] PIA+COMM, CeBIT, 2007. 
- [D6] PIA, Lange Nacht der Wissenschaften Berlin/Potsdam, 2006.

## Program Committees

- [Int. Conf. on Complex Netw. and Their Applications](#) [*Workshop* in 2016], 2016, 2017, 2018.
- [Int. AAAI Conf. on Web and Soc. Media \(ICWSM\)](#), 2016.
- [Workshop on Soc. News on the Web \(SNOW\)](#) at the World Wide Web Conf. (WWW), 2014, 2016.
- [Workshop on Soc. Semant. Anal. \(SALSA\)](#), 2016.
- [#FAIL! – The Workshop Series](#) at the Internet Research Conf. (IR), 2015.
- [Web Sci. Track](#), Int. World Wide Web Conf. (WWW), 2014, 2015.
- [#FAIL! – The Workshop Series](#) at the Web Sci. Conf. (WebSci), 2015.
- [Web Sci. Conf.](#), 2011, 2012, 2013, 2014.
- [Workshop on Connecting Online & Offline Life \(COOL\)](#) at the World Wide Web Conf. (WWW), 2014.
- [Int. Joint Conf. on Artif. Intell. \(IJCAI\)](#), 2013.
- [Web Sci. Education Workshop](#) at the Web Sci. Conf., 2013.
- [Conf. on Semant. Tech. and Inf. Retrieval \(STAIR\)](#), 2013.

- [Int. Workshop on Semant. Personalized Inf. Manag. \(SPIM\)](#) at the Int. Conf. on Web Search and Data Min. (WSDM), 2013.
- [Eur. Conf. on Inf. Retrieval \(ECIR\)](#), 2013.
- [Workshop on Metrics, Anal. and Tools for Online Community Manag. \(MAMA\)](#), at INFORMATIK, 2013
- [Eur. Conf. on Inf. Retrieval \(ECIR\)](#), poster track, 2012.
- [Conf. on Natural Language Processing \(KONVENS\)](#), 2012.
- [Workshop on Personalized Inf. Manag.: Linking Soc. and Semant. Web \(SPIM\)](#) at the Int. Conf. on Web Engineering (ICWE), 2012.
- [Int. Conf. on Inf. and Knowl. Manag. \(CIKM\)](#), 2011.
- [Int. Conf. on Knowl. Discovery and Data Min. \(KDD\)](#), research track, 2011.
- [Challenge on Context-aware Movie Recomm. \(CAMRa\)](#) at the Conf. on Recomm. Syst. (RecSys), 2010.
- [Special Session on Uncertainty in Netw. Min. \(UNM\)](#) at the Int. Conf. on Inf. Processing and Manag. of Uncertainty in Knowl.-based Syst. (IPMU), 2010.

## Other Reviewing

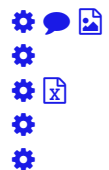
- Royal Military Academy, Belgium, 2018.
- [Netw. Sci.](#), 2015, 2016.
- [ACM Comput. Surveys](#), 2014, 2015.
- [The J. of Web Sci.](#), 2014, 2018.
- [ACM Trans. on Internet Tech. \(TOIT\)](#), 2014.
- Special Issue on “Propagation Phenomenon in Complex Networks: Theory and Practice”, New Generation Comput., 2014.
- [Int. Semant. Web Conf. \(ISWC\)](#), 2013.
- [Int. Conf. on Comput. Stat. \(COMPSTAT\)](#), 2012.
- [Int. J. of Comput. and Telecommunications Netw. \(COMNET\)](#), 2012.
- [IEEE Trans. on Neural Netw. \(TNN\)](#), 2011.
- [J. on Auton. Agents and Multi-agent Syst. \(AAMAS\)](#), Special Issue on Agent Mining, 2011.
- [ACM Trans. on Knowl. Discovery from Data \(TKDD\)](#), 2011.
- [TV Content Anal. \(TVCA\)](#), 2011.
- [Workshop on Ontologies and Lexical Resources \(OntoLex\)](#) at the Int. Conf. on Comput. Linguist. (COLING), 2010.

## Volunteering

- [WSTNet Web Science Summer School \(WWSSS\)](#), Koblenz, 2016.
- [Festival of Ideas](#), Cambridge, 2013.
- [International Semantic Web Conference \(ISWC\)](#), Bonn, 2011
- [European Summer School on Information Retrieval \(ESSIR\)](#), Koblenz, 2011.

## Software Authorship

- [Stu](#), build automation (C++14)
- [KONECT Toolbox](#), network analysis toolbox (Matlab, C99)
- [Polcovar](#), counting subgraph patterns in random graphs (Matlab)
- [Universal Recommender](#), recommendation library (Java)
- [BabyChess](#), chess engine and GUI (C++98)
- *More: see [github.com/kunegis](https://github.com/kunegis)*



## Mentions in Media

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



## Awards and Nominations

- First Prize, Int. Conf. on Web and Soc. Media (ICWSM) Science Slam, 2016.
- Best Poster Award, Int. Sch. and Conf. on Netw. Sci. (NetSciX), 2016.
- Best Paper Honorable Mention, Int. Conf. on Web and Soc. Media (ICWSM), 2015.
- Ted Nelson Newcomer Award Nominee, Conf. on Hypertext and Soc. Media (HT), 2012.
- Student Travel Award, Int. Conf. on Inf. and Knowl. Manag. (CIKM), 2010.
- Student Travel Fellowship Award, SIAM Conf. on Data Min. (SDM), 2010.
- Best Paper Nominee, Industrial Conf. on Data Min. (IndCDM), 2007.
- First Prize, Rallye mathématique d'Alsace, Terminale (Alsace Mathematical Rally, 12<sup>th</sup> grade), 1999.



## Popularization

- [i] [Game Dependency Graph: Day of the Tentacle](#). 2021.
- [ii] [Game Dependency Graph: The Curse of Monkey Island](#). 2020.
- [iii] [Game Dependency Graph: Monkey Island 2: LeChuck's Revenge](#). 2020.
- [iv] [Network of Characters in Harry Potter](#). 2019.
- [v] [Phylogenetic Tree of My Houseplants](#). 2019.
- [vi] [Game Dependency Graph: The Secret of Monkey Island](#). 2019.
- [vii] [Binary Fluorine Compounds](#). 2017.
- [viii] [How to Pronounce German Vowels](#). 2017.
- [ix] [Pronunciation of English Vowels](#). 2015.
- [x] [Taxonomy of  \$n \times n\$  Matrices](#). 2012.



## Miscellaneous

- Birthday: March 27
- Full titles: Dr. rer. nat. Dipl.-Inform. Jérôme KUNEGIS

## Legend

Publication is available  
 Publication is available on arXiv  
 Poster is available  
 Slides are available  
 Publication has 100+ citations  
 Publication/event has an accompanying website  
 Dataset is available  
 Source code is available  
 Video of talk is available  
 A blog article was written about the topic  
 Publication has media coverage  
 I won a prize for this work  
 Nomination for a prize