

## Christoph Lange: Publication List

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### Metrics

- Citations: 1180 (Google)
- h-index: 18 (Google)
- i10-index: 36 (Google)
- Co-authors: 139 (DBLP)

Sources: my Google Scholar profile, my DBLP page (last checked: 28th May 2017)

### Journal Articles (Peer Reviewed)

- [JA1] Afshin Sadeghi, Johannes Wilm, Philipp Mayr and **Christoph Lange**. ‘Opening Scholarly Communication in Social Sciences by Connecting Collaborative Authoring to Peer Review’. In: *Information – Wissenschaft & Praxis* (13th Mar. 2017). arXiv: 1703.04428 [cs.DL]. In press.
- [JA2] Anastasia Dimou, Sahar Vahdati, Angelo Di Iorio, **Christoph Lange**, Ruben Verborgh and Erik Mannens. ‘Challenges as enablers for high quality linked data: Insights from the Semantic Publishing Challenge’. In: *PeerJ Computer Science* (30th Jan. 2017): *Semantics, Analytics, Visualisation: Enhancing Scholarly Data*. URL: <https://peerj.com/articles/cs-105/>.

- [JA3] Jeremy Debattista, **Christoph Lange** and Sören Auer. ‘Luzzu – A Methodology and Framework for Linked Data Quality Assessment’. In: *Data and Information Quality* 8.1 (Oct. 2016).
- [JA4] Manfred Kerber, **Christoph Lange** and Colin Rowat. ‘An Introduction to Mechanized Reasoning’. In: *Mathematical Economics* 66 (Oct. 2016), pp. 26–39. DOI: 10.1016/j.jmateco.2016.06.005. arXiv: 1603.02478 [cs.LG].
- [JA5] Behnam Ghavimi, Philipp Mayr, **Christoph Lange**, Sahar Vahdati and Sören Auer. ‘A Semi-Automatic Approach for Detecting Dataset References in Social Science Texts’. In: *Information Services & Use* 36.3–4 (2016), pp. 171–187. DOI: 10.3233/ISU-160816. arXiv: 1611.01820 [cs.DL].
- [JA6] Marco B. Caminati, Manfred Kerber, **Christoph Lange** and Colin Rowat. ‘VCG – Combinatorial Vickrey-Clarke-Groves Auctions’. In: *Archive of Formal Proofs* (30th Apr. 2015). Formal proof development. ISSN: 2150-914X. URL: [http://afp.sf.net/entries/Vickrey\\_Clarke\\_Groves.shtml](http://afp.sf.net/entries/Vickrey_Clarke_Groves.shtml).
- [JA7] **Christoph Lange**. ‘Ontologies and Languages for Representing Mathematical Knowledge on the Semantic Web’. In: *Semantic Web Journal* 4.2 (2013), pp. 119–158. DOI: 10.3233/SW-2012-0059. URL: <http://www.semantic-web-journal.net/content/ontologies-and-languages-representing-mathematical-knowledge-semantic-web>.
- [JA8] Michael Kohlhase, Joe Corneli, Catalin David, Deyan Ginev, Constantin Jucovschi, Andrea Kohlhase, **Christoph Lange**, Bogdan Matican, Stefan Mirea and Vyacheslav Zholudev. ‘The Planetary System: Web 3.0 & Active Documents for STEM’. In: *Procedia Computer Science* 4 (2011): *Special issue: Proceedings of the International Conference on Computational Science (ICCS)*. Ed. by Mitsuhsa Sato, Satoshi Matsuoka, Peter M. Soot, G. Dick van Albada and Jack Dongarra. Finalist at the Executable Paper Grand Challenge, pp. 598–607. DOI: 10.1016/j.procs.2011.04.063. URL: <http://kwarc.info/kohlhase/papers/epc11.pdf>.
- [JA9] Ha Manh Tran, **Christoph Lange**, Georgi Chulkov, Jürgen Schönwälder and Michael Kohlhase. ‘Applying Semantic Techniques to Search and Analyze Bug Tracking Data’. In: *Journal of Network and Systems Management* 17.3 (May 2009): *Special Issue: Ontological Approaches for Network and Service Management*. Ed. by Declan O’Sullivan, John Strassner and Sven Van der Meer, pp. 285–308. DOI: 10.1007/s10922-009-9134-4.

## Book Chapters

- [BC1] Natalja Friesen and **Christoph Lange**. ‘Semantische Suche in einer digitalen Bibliothek. Wie die Deutsche Digitale Bibliothek von semantischen Technologien profitiert’. In: *Corporate Semantic Web. Wie semantische Anwendungen in Unternehmen Nutzen stiften*. Ed. by Börteçin Ege, Bernhard Humm and Anatol Reibold. X.media.press. Berlin/Heidelberg: Springer Vieweg, 2015, pp. 87–100. ISBN: 978-3-642-54885-7.

- [BC2] Natalja Friesen and **Christoph Lange**. ‘Linked Data und Digitale Bibliotheken’. In: *Linked Enterprise Data. Management und Bewirtschaftung vernetzter Unternehmensdaten mit Semantic Web-Technologien*. Ed. by Tassilo Pellegrini, Harald Sack and Sören Auer. X.media.press. Springer, 14th Dec. 2014, pp. 221–243. ISBN: 978-3-642-30273-2.
- [BC3] **Christoph Lange** and Michael Kohlhase. ‘Mashups using Mathematical Knowledge’. In: *Semantic Mashups. Intelligent Reuse of Web Resources*. Ed. by Brigitte Endres-Niggemeyer. Springer, 2013, pp. 171–204. ISBN: 978-3-642-36402-0. URL: <https://sites.google.com/site/mashupbookchapters/semantic-mashups/mathknowledge>.
- [BC4] **Christoph Lange** and Michael Kohlhase. ‘SWiM: A Semantic Wiki for Mathematical Knowledge Management’. In: *Emerging Technologies for Semantic Work Environments: Techniques, Methods, and Applications*. Ed. by Jörg Rech, Björn Decker and Eric Ras. IGI Global, Apr. 2008, pp. 47–68. DOI: 10.4018/978-1-59904-877-2. URL: <http://www.igi-global.com/Bookstore/Chapter.aspx?TitleId=10143>.
- [BC5] **Christoph Lange** and Michael Kohlhase. ‘SWiM – An OMDoc-based Semantic Wiki’. In: Michael Kohlhase. *OMDoc – An open markup format for mathematical documents [Version 1.2]*. Lecture Notes in Artificial Intelligence 4180. Springer Verlag, Aug. 2006. Chap. 26.10, pp. 274–277. URL: <http://omdoc.org/pubs/omdoc1.2.pdf>.

### Conference Contributions (Peer Reviewed, Archival Proceedings)

This list includes a few peer-reviewed papers in archival post-proceedings of workshops or demo sessions.

- [CP1] Sarven Capadisli, Amy Guy, **Christoph Lange**, Sören Auer, Andrei Sambra and Tim Berners-Lee. ‘Linked Data Notifications: a resource-centric communication protocol’. In: *The Semantic Web. Latest Advances and New Domains (Part I)*. 14<sup>th</sup> Extended Semantic Web Conference. ESWC (Portorož, Slovenia, 28th May–1st June 2017). Ed. by Eva Blomqvist, Diana Maynard, Aldo Gangemi, Rinke Hoekstra, Pascal Hitzler and Olaf Hartig. Lecture Notes in Computer Science 10249. Heidelberg: Springer Verlag, 2017, pp. 537–553. ISBN: 978-3-319-58067-8. URL: <http://csarven.ca/linked-data-notifications>.
- [CP2] Sarven Capadisli, Amy Guy, Ruben Verborgh, **Christoph Lange**, Sören Auer and Tim Berners-Lee. ‘Decentralised Authoring, Annotations and Notifications for a Read-Write-Web with dokieli’. In: *Web Engineering*. 17<sup>th</sup> International Conference. ICWE (Rome, Italy, 5th–8th June 2017). Ed. by Jordi Cabot, Roberto de Virgilio and Riccardo Torlone. Lecture Notes in Computer Science 10360. Springer Verlag, 2017. ISBN: 978-3-319-60130-4. URL: <http://csarven.ca/dokieli-rww>. In press.
- [CP3] Diego Collarana, Mikhail Galkin, Ignacio Traverso-Ribón, **Christoph Lange**, Maria-Esther Vidal and Sören Auer. ‘Semantic Data Integration for Knowledge Graph Construction at Query Time’. In: *Semantic Computing*. 11<sup>th</sup> International Conference on Semantic Computing. ICSC (San Diego, CA, USA, 30th Jan.–1st Feb. 2017). 2017.

- [CP4] Diego Collarana, Mikhail Galkin, Ignacio Traverso-Ribón, Maria-Esther Vidal, **Christoph Lange** and Sören Auer. ‘MINTE: Semantically Integrating RDF Graphs’. In: 7<sup>th</sup> International Conference on Web Intelligence, Mining and Semantics (WIMS). (Amantea, Italy, 19th–22nd June 2017). New York, NY, USA: ACM, 2017. In press.
- [CP5] Dennis Diefenbach, Kuldeep Singh, Andreas Both, Didier Chérix, **Christoph Lange** and Sören Auer. ‘The Qanary Ecosystem: getting new insights by composing Question Answering pipelines’. In: *Web Engineering*. 17<sup>th</sup> International Conference. ICWE (Rome, Italy, 5th–8th June 2017). Ed. by Jordi Cabot, Roberto de Virgilio and Riccardo Torlone. Lecture Notes in Computer Science 10360. Springer Verlag, 2017. ISBN: 978-3-319-60130-4. In press.
- [CP6] Alexandra Similea, Niklas Petersen, **Christoph Lange**, Steffen Lohmann and Michael Galkin. ‘TurtleEditor 2.0: A Synchronized Graphical and Text Editor for RDF Vocabularies’. In: *2017 IEEE Tenth International Conference on Semantic Computing (ICSC)*. 11<sup>th</sup> International Conference on Semantic Computing. ICSC (San Diego, CA, USA, 30th Jan.–1st Feb. 2017). IEEE Computer Society, 2017.
- [CP7] Niklas Petersen, **Christoph Lange**, Sören Auer, Marvin Frommhold and Sebastian Tramp. ‘Towards Federated, Semantics-based Supply Chain Analytics’. In: *Business Information Systems*. 19<sup>th</sup> International Conference on Business Informatics Systems. BIS (Leipzig, Germany, 6th–8th July 2016). Ed. by Witold Abramowicz, Rainer Alt and Bogdan Franczyk. Lecture Notes in Business Information Processing 255. Heidelberg: Springer, 28th June 2016, pp. 436–447. ISBN: 978-3-319-39425-1.
- [CP8] Andreas Both, Dennis Diefenbach, Kuldeep Singh, Saeedeh Shekarpour, Didier Chérix and **Christoph Lange**. ‘Qanary – A Methodology for Vocabulary-driven Open Question Answering Systems’. In: *The Semantic Web. Latest Advances and New Domains*. 13<sup>th</sup> Extended Semantic Web Conference (ESWC). (Anissaras, Crete, Greece, 29th May–2nd June 2016). Ed. by Harald Sack, Eva Blomqvist, Mathieu d’Aquin, Chiara Ghidini, Simone Paolo Ponzetto and **Christoph Lange**. Lecture Notes in Computer Science 9678. Heidelberg: Springer Verlag, 14th May 2016, pp. 625–641. ISBN: 978-3-319-34128-6.
- [CP9] Angelo Di Iorio, **Christoph Lange**, Anastasia Dimou and Sahar Vahdati. ‘Semantic Publishing Challenge. Assessing the Quality of Scientific Output by Information Extraction and Interlinking’. In: *Semantic Web Evaluation Challenges. Revised Selected Papers*. SemWebEval 2015 at ESWC 2015. (Anissaras, Crete, Greece, 2nd June 2015). Ed. by Fabien Gandon, Elena Cabrio, Milan Stankovic and Antoine Zimmermann. Communications in Computer and Information Science 548. Springer, 7th Jan. 2016, pp. 65–80. ISBN: 978-3-319-25517-0. arXiv: 1508.06206 [cs.DL].
- [CP10] Giorgos Alexiou, Sahar Vahdati, **Christoph Lange**, George Papastefanatos and Steffen Lohmann. ‘OpenAIRE LOD services: Scholarly Communication Data as Linked Data’. In: *Semantics, Analytics, Visualization: Enhancing Scholarly Data. Revised selected papers*. 2<sup>nd</sup> Workshop at WWW. SAVE-SD (Montreal, Canada, 11th Apr. 2016). Ed. by Alejandra Gonzalez-Beltran, Francesco Osborne and Silvio Peroni. Lecture Notes in Computer Science 9792. Heidelberg: Springer, 2016, pp. 45–50. ISBN: 978-3-319-53636-1.

- [CP11] Diego Collarana, Mikhail Galkin, **Christoph Lange**, Irlán Grangel-González, Maria-Esther Vidal and Sören Auer. 'FuhSen: A Federated Hybrid Search Engine for building a knowledge graph on-demand (Short Paper)'. In: *Knowledge Engineering and Knowledge Management*. OnTheMove Confederated International Conferences. ODBASE, CT&C, and CoopIS (Kallithea, Rhodes, Greece, 24th–28th Oct. 2016). Ed. by Christophe Debruyne, Hervé Panetto, Robert Meersman, Tharam Dillon, Eva Kühn, Declan O'Sullivan and Claudio Agostino Ardagna. Lecture Notes in Computer Science 10033. Heidelberg: Springer Verlag, 2016, pp. 752–761. ISBN: 978-3-319-48471-6. URL: [https://www.researchgate.net/publication/301765490\\_FuhSen\\_A\\_Federated\\_Hybrid\\_Search\\_Engine\\_for\\_building\\_a\\_knowledge\\_graph\\_on-demand](https://www.researchgate.net/publication/301765490_FuhSen_A_Federated_Hybrid_Search_Engine_for_building_a_knowledge_graph_on-demand).
- [CP12] Jeremy Debattista, Sören Auer and **Christoph Lange**. 'Luzzu - A Framework for Linked Data Quality Assessment'. In: *Semantic Computing*. 10<sup>th</sup> International Conference on Semantic Computing. ICSC (Laguna Hills, CA, USA, 3rd–5th Feb. 2016). Ed. by Tao Li, Ansgar Scherp, David Ostrowski and Wei Wang. 2016, pp. 124–131.
- [CP13] Jeremy Debattista, **Christoph Lange** and Sören Auer. 'An Investigation Towards Improving Linked Data Quality using Distance-Based Outlier Detection'. In: *Semantic Technology. Revised selected papers*. 6<sup>th</sup> Joint International Conference on Semantic Technology. JIST (Singapore, Singapore, 2nd–4th Nov. 2016). Ed. by Yuan-Fang Li, Wei Hu, Jin Song Dong, Grigoris Antoniou, Zhe Wang, Jun Sun and Yang Liu. Lecture Notes in Computer Science 10055. Heidelberg: Springer Verlag, 2016, pp. 116–124. ISBN: 978-3-319-50111-6.
- [CP14] Anastasia Dimou, Angelo Di Iorio, **Christoph Lange** and Sahar Vahdati. 'Semantic Publishing Challenge. Assessing the Quality of Scientific Output in its Ecosystem'. In: *The Semantic Web. ESWC 2016 Challenges. Third SemWebEval Challenge at ESWC, Revised Selected Papers*. 13<sup>th</sup> Extended Semantic Web Conference (ESWC). SemWebEval (Anissaras, Crete, Greece, 29th May–2nd June 2016). Ed. by Harald Sack, Stefan Dietze, Anna Tordai and **Christoph Lange**. Communications in Computer and Information Science 641. Heidelberg: Springer Verlag, 2016, pp. 243–254. ISBN: 978-3-319-46564-7.
- [CP15] Behnam Ghavimi, Philipp Mayr, Sahar Vahdati and **Christoph Lange**. 'Identifying and Improving Dataset References in Social Sciences Full Texts'. In: *Positioning and Power in Academic Publishing: Players, Agents and Agendas*. 20<sup>th</sup> International Conference on Electronic Publishing. Elpub (Göttingen, Germany, 7th–9th June 2016). Ed. by Fernando Loizides and Birgit Schmidt. Amsterdam: IOS Press, 2016, pp. 105–114. DOI: 10.3233/978-1-61499-649-1-105. arXiv: 1603.01774 [cs.DL].
- [CP16] Irlán Grangel-González, Diego Collarana, Lavdim Halilaj, Steffen Lohmann, **Christoph Lange**, Maria-Esther Vidal and Sören Auer. 'Alligator: A Deductive Approach for the Integration of Industry 4.0 Standards'. In: *Knowledge Engineering and Knowledge Management*. 20<sup>th</sup> International Conference on Knowledge Engineering and Knowledge Management. EKAW (Bologna, Italy, 19th–23rd Nov. 2016). Ed. by Eva Blomqvist, Paolo Ciancarini, Francesco Poggi and Fabio Vitali. Lecture Notes in Computer Science 10024. Heidelberg: Springer Verlag, 2016, pp. 272–287. ISBN: 978-3-319-49003-8. URL: [https://www.researchgate.net/publication/305406366\\_Alligator\\_A\\_Deductive\\_Approach\\_for\\_the\\_Integration\\_of\\_Industry\\_40\\_Standards](https://www.researchgate.net/publication/305406366_Alligator_A_Deductive_Approach_for_the_Integration_of_Industry_40_Standards).

- [CP17] Irlán Grangel-González, Lavdim Halilaj, Sören Auer, Steffen Lohmann, **Christoph Lange** and Diego Collarana. ‘An RDF-based Approach for Implementing Industry 4.0 Components with Administration Shells’. In: 21<sup>st</sup> IEEE International Conference on Emerging Technologies and Factory Automation. ETFA (Berlin, Germany, 6th–9th Sept. 2016). IEEE, 2016. URL: [https://www.researchgate.net/publication/301772095\\_An\\_RDF-based\\_Approach\\_for\\_Implementing\\_Industry\\_40\\_Components\\_with\\_Administration\\_Shells](https://www.researchgate.net/publication/301772095_An_RDF-based_Approach_for_Implementing_Industry_40_Components_with_Administration_Shells).
- [CP18] Lavdim Halilaj, Niklas Petersen, Irlán Grangel-González, **Christoph Lange**, Sören Auer, Gökhan Coskun and Steffen Lohmann. ‘VoCol: An Integrated Environment to Support Version-Controlled Vocabulary Development’. In: *Knowledge Engineering and Knowledge Management*. 20<sup>th</sup> International Conference on Knowledge Engineering and Knowledge Management. EKAW (Bologna, Italy, 19th–23rd Nov. 2016). Ed. by Eva Blomqvist, Paolo Ciancarini, Francesco Poggi and Fabio Vitali. Lecture Notes in Computer Science 10024. Heidelberg: Springer Verlag, 2016, pp. 303–319. ISBN: 978-3-319-49003-8. URL: [https://www.researchgate.net/publication/301765577\\_VoCol\\_An\\_Integrated\\_Environment\\_to\\_Support\\_Vocabulary\\_Development\\_with\\_Version\\_Control\\_Systems](https://www.researchgate.net/publication/301765577_VoCol_An_Integrated_Environment_to_Support_Vocabulary_Development_with_Version_Control_Systems).
- [CP19] Niklas Petersen, Gökhan Coskun and **Christoph Lange**. ‘TurtleEditor: An ontology-aware web-editor for collaborative ontology development’. In: *2016 IEEE Tenth International Conference on Semantic Computing (ICSC)*. 10<sup>th</sup> International Conference on Semantic Computing. ICSC (Laguna Hills, CA, USA, 3rd–5th Feb. 2016). Ed. by Tao Li, Ansgar Scherp, David Ostrowski and Wei Wang. 2016, pp. 183–186. URL: <http://dx.doi.org/10.5281/zenodo.35499>.
- [CP20] Niklas Petersen, Michael Galkin, **Christoph Lange**, Steffen Lohmann and Sören Auer. ‘Monitoring and Automating Factories Using Semantic Models’. In: *Semantic Technology. Revised selected papers*. 6<sup>th</sup> Joint International Conference on Semantic Technology. JIST (Singapore, Singapore, 2nd–4th Nov. 2016). Ed. by Yuan-Fang Li, Wei Hu, Jin Song Dong, Grigoris Antoniou, Zhe Wang, Jun Sun and Yang Liu. Lecture Notes in Computer Science 10055. Heidelberg: Springer Verlag, 2016, pp. 315–330. ISBN: 978-3-319-50111-6. URL: [https://www.researchgate.net/publication/305986655\\_Monitoring\\_and\\_Automating\\_Factories\\_Using\\_Semantic\\_Models](https://www.researchgate.net/publication/305986655_Monitoring_and_Automating_Factories_Using_Semantic_Models).
- [CP21] Kuldeep Singh, Andreas Both, Dennis Diefenbach, Saeedeh Shekarpour, Didier Chérif and **Christoph Lange**. ‘Qanary – the Fast Track to Create a Question Answering System with Linked Data Technology’. In: *The Semantic Web. ESWC 2016 Satellite Events. ESWC 2016 Satellite Events*. 13<sup>th</sup> Extended Semantic Web Conference (ESWC). (Anissaras, Crete, Greece, 29th May–2nd June 2016). Ed. by Harald Sack, Giuseppe Rizzo, Nadine Steinmetz, Dunja Mladenić, Sören Auer and **Christoph Lange**. Lecture Notes in Computer Science 9989. Heidelberg: Springer Verlag, 2016, pp. 183–188. ISBN: 978-3-319-47601-8. URL: [http://2016.eswc-conferences.org/sites/default/files/papers/Accepted%20Posters%20and%20Demos/ESWC2016\\_DEMO\\_Qanary.pdf](http://2016.eswc-conferences.org/sites/default/files/papers/Accepted%20Posters%20and%20Demos/ESWC2016_DEMO_Qanary.pdf).
- [CP22] Harsh Thakkar, Kemele M. Endris, José M. Giménez-García, Jeremy Debattista, **Christoph Lange** and Sören Auer. ‘Are Linked Datasets fit for Open-domain Question

- Answering? A Quality Assessment'. In: 6<sup>th</sup> International Conference on Web Intelligence, Mining and Semantics (WIMS). (Nîmes, France, 13th–15th June 2016). New York, NY, USA: ACM, 2016. ISBN: 978-1-4503-4056-4. DOI: 10.5281/zenodo.47062.
- [CP23] Sahar Vahdati, Natanael Arndt, Sören Auer and **Christoph Lange**. 'OpenResearch: Collaborative Management of Scholarly Communication Metadata'. In: *Knowledge Engineering and Knowledge Management*. 20<sup>th</sup> International Conference on Knowledge Engineering and Knowledge Management. EKAW (Bologna, Italy, 19th–23rd Nov. 2016). Ed. by Eva Blomqvist, Paolo Ciancarini, Francesco Poggi and Fabio Vitali. Lecture Notes in Computer Science 10024. Heidelberg: Springer Verlag, 2016, pp. 778–793. ISBN: 978-3-319-49003-8. URL: [https://www.researchgate.net/publication/305406290\\_OpenResearch\\_Collaborative\\_Management\\_of\\_Scholarly\\_Communication\\_Metadata](https://www.researchgate.net/publication/305406290_OpenResearch_Collaborative_Management_of_Scholarly_Communication_Metadata).
- [CP24] Sahar Vahdati, Anastasia Dimou, **Christoph Lange** and Angelo Di Iorio. 'Semantic Publishing Challenge: Bootstrapping a Value Chain for Scientific Data'. In: *Semantics, Analytics, Visualization: Enhancing Scholarly Data. Revised selected papers*. 2<sup>nd</sup> Workshop at WWW. SAVE-SD (Montreal, Canada, 11th Apr. 2016). Ed. by Alejandra Gonzalez-Beltran, Francesco Osborne and Silvio Peroni. Lecture Notes in Computer Science 9792. Heidelberg: Springer, 2016, pp. 73–89. ISBN: 978-3-319-53636-1.
- [CP25] Sahar Vahdati, Farah Karim, Jyun-Yao Huang and **Christoph Lange**. 'Mapping Large Scale Research Metadata to Linked Data: A Performance Comparison of HBase, CSV and XML'. In: *Metadata and Semantics Research*. 9<sup>th</sup> Metadata and Semantics Research Conference (MTSR). (Manchester, UK, 9th–11th Sept. 2015). Ed. by Emmanouel Garoufallou, Richard J. Hartley and Panorea Gaitanou. Communications in Computer and Information Science 544. Springer, 3rd Nov. 2015, pp. 261–273. ISBN: 978-3-319-24128-9. arXiv: 1506.04006 [cs.DB].
- [CP26] Darya Tarasowa, **Christoph Lange** and Sören Auer. 'Measuring the Quality of Relational-to-RDF Mappings'. In: *Knowledge Engineering and Semantic Web*. 6<sup>th</sup> Conference on Knowledge Engineering and Semantic Web (KESW). (Moscow, Russia, 30th Sept.–2nd Oct. 2015). Ed. by Pavel Klinov and Dmitry Mouromtsev. Communications in Computer and Information Science 518. Springer, 30th Oct. 2015, pp. 210–224. ISBN: 978-3-319-24542-3. URL: [https://www.researchgate.net/publication/283855271\\_Measuring\\_the\\_Quality\\_of\\_Relational-to-RDF\\_Mappings](https://www.researchgate.net/publication/283855271_Measuring_the_Quality_of_Relational-to-RDF_Mappings).
- [CP27] Jyun-Yao Huang, **Christoph Lange** and Sören Auer. 'Streaming Transformation of XML to RDF using XPath-based Mappings'. In: *SEMANTiCS*. (Vienna, Austria, 15th–17th Sept. 2015). Ed. by Sebastian Hellmann and Josianne Parreira. 16th Sept. 2015, pp. 129–136.
- [CP28] Jaana Takis, A Q M Saiful Islam, **Christoph Lange** and Sören Auer. 'Crowdsourced Semantic Annotation of Scientific Publications and Tabular Data in PDF'. In: *SEMANTiCS*. (Vienna, Austria, 15th–17th Sept. 2015). Ed. by Sebastian Hellmann and Josianne Parreira. 16th Sept. 2015, pp. 1–8. URL: <http://publica.fraunhofer.de/dokumente/N-356366.html>.

- [CP29] Marco B. Caminati, Manfred Kerber, **Christoph Lange** and Colin Rowat. ‘Sound Auction Specification and Implementation’. In: *Economics and Computation*. 16<sup>th</sup> ACM Conference, EC’15. (Portland, Oregon, USA, 15th–19th June 2015). Ed. by Michal Feldman, Michael Schwarz and Tim Roughgarden. 15th June 2015, pp. 547–564. DOI: 10.1145/2764468.2764511. URL: <http://www.cs.bham.ac.uk/~mmk/publications/ec2015.pdf>.
- [CP30] Jeremy Debattista, Santiago Londoño, **Christoph Lange** and Sören Auer. ‘Quality Assessment of Linked Datasets using Probabilistic Approximation’. In: *The Semantic Web. Latest Advances and New Domains*. 12<sup>th</sup> Extended Semantic Web Conference (ESWC). (Portorož, Slovenia, 30th May–4th June 2015). Ed. by Fabien Gandon, Marta Sabou, Harald Sack, Claudia d’Amato, Philippe Cudré-Mauroux and Antoine Zimmermann. Lecture Notes in Computer Science 9088. One of three best paper award nominees. Heidelberg: Springer Verlag, 21st May 2015, pp. 221–236. ISBN: 978-3-319-18817-1. arXiv: 1503.05157 [cs.DB].
- [CP31] Sahar Vahdati, **Christoph Lange** and Sören Auer. ‘OpenCourseWare Observatory – Does the Quality of OpenCourseWare Live up to its Promise?’ In: *Learning Analytics and Knowledge*. LAK’15, 5<sup>th</sup> International Conference. (Poughkeepsie, NY, USA, 16th–20th Mar. 2015). ACM, 16th Mar. 2015, pp. 73–82. URL: <http://dx.doi.org/10.5281/zenodo.14756>.
- [CP32] Jeremy Debattista, **Christoph Lange**, Simon Scerri and Sören Auer. ‘Linked ‘Big’ Data: Towards a manifold increase in Big Data Value and Veracity’. In: 2<sup>nd</sup> IEEE/ACM International Symposium on Big Data Computing. (St. Raphael Resort, Limassol, Cyprus, 7th–10th Dec. 2015). 2015.
- [CP33] **Christoph Lange** and Angelo Di Iorio. ‘Semantic Publishing Challenge. Assessing the Quality of Scientific Output’. In: *Semantic Web Evaluation Challenges. Revised Selected Papers*. SemWebEval 2014 at ESWC 2014. (Anissaras, Crete, Greece, 27th May 2014). Ed. by Valentina Presutti, Milan Stankovic, Erik Cambria, Iván Cantador, Angelo Di Iorio, Tommaso Di Noia, **Christoph Lange**, Diego Reforgiato Recupero and Anna Tordai. Communications in Computer and Information Science 475. Springer, 4th Oct. 2014, pp. 61–76. ISBN: 978-3-319-12023-2. arXiv: 1408.3863 [cs.DL].
- [CP34] Sahar Vahdati, Andreas Behrend and **Christoph Lange**. ‘Identifying research schools using enriched bibliographical metadata’. In: *I-KNOW ’14*. 14<sup>th</sup> International Conference on Knowledge Management and Data-driven Business. (Graz, Austria, 16th–19th Sept. 2014). Ed. by Stefanie N. Lindstaedt. 39. ACM, 16th Sept. 2014. ISBN: 978-1-4503-2769-5.
- [CP35] Jeremy Debattista, **Christoph Lange** and Sören Auer. ‘Representing Dataset Quality Metadata using Multi-Dimensional Views’. In: *SEMANTiCS*. (Leipzig, Germany, 4th–5th Sept. 2014). Ed. by Agata Filipowska, Harald Sack and Jens Lehmann. 4th Sept. 2014, pp. 92–99. arXiv: 1408.2468 [cs.DB].
- [CP36] Marco B. Caminati, Manfred Kerber, **Christoph Lange** and Colin Rowat. ‘Set Theory or Higher Order Logic to Represent Auction Concepts in Isabelle?’ In: *Intelligent Computer Mathematics*. Conferences on Intelligent Computer Mathematics. (Coimbra, Portugal, 7th–11th July 2014). Ed. by Stephan Watt, James Davenport, Alan Sexton,



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- [CP37] **Christoph Lange**<sup>1</sup>, Marco B. Caminati, Manfred Kerber, Till Mossakowski, Colin Rowat, Makarius Wenzel and Wolfgang Windsteiger. ‘A Qualitative Comparison of the Suitability of Four Theorem Provers for Basic Auction Theory’. In: *Intelligent Computer Mathematics*. Conferences on Intelligent Computer Mathematics. (Bath, UK, 8th–12th July 2013). Ed. by Jacques Carette, David Aspinall, **Christoph Lange**, Petr Sojka and Wolfgang Windsteiger. Lecture Notes in Computer Science 7961. Springer, 2013, pp. 200–215. ISBN: 978-3-642-39319-8. DOI: 10.1007/978-3-642-39320-4. arXiv: 1303.4193 [cs.LO].
- [CP38] **Christoph Lange**, Manfred Kerber and Colin Rowat. ‘Applying Mechanised Reasoning in Economics – Making Reasoners Applicable for Domain Experts’. In: *INFORMATIK 2013: Informatik angepasst an Mensch, Organisation und Umwelt*. 43<sup>rd</sup> annual meeting of the German Informatics Society (Gesellschaft für Informatik e.V. (GI)). (Koblenz, Germany, 16th–20th Sept. 2013). Ed. by Matthias Horbach. Lecture Notes in Informatics P-220. Köllen, 2013, pp. 153–156. ISBN: 978-3-88579-614-5.
- [CP39] **Christoph Lange**<sup>2</sup>, Colin Rowat and Manfred Kerber. ‘The ForMaRE Project – Formal Mathematical Reasoning in Economics’. In: *Intelligent Computer Mathematics*. Conferences on Intelligent Computer Mathematics. (Bath, UK, 8th–12th July 2013). Ed. by Jacques Carette, David Aspinall, **Christoph Lange**, Petr Sojka and Wolfgang Windsteiger. Lecture Notes in Computer Science 7961. Springer, 2013, pp. 330–334. ISBN: 978-3-642-39319-8. DOI: 10.1007/978-3-642-39320-4. arXiv: 1303.4194 [cs.CE].
- [CP40] Till Mossakowski, Oliver Kutz and **Christoph Lange**. ‘Semantics of the Distributed Ontology Language: Institutes and Institutions’. In: *Recent Trends in Algebraic Development Techniques*. WADT 2012, 21<sup>st</sup> International Workshop on Algebraic Development Techniques. (Salamanca, Spain, 7th–10th June 2012). Ed. by Till Mossakowski, Narciso Martí-Oliet and Miguel Palomino Tarjuelo. Lecture Notes in Computer Science 7841. Springer, 2013, pp. 212–230.
- [CP41] **Christoph Lange**, Patrick Ion, Anastasia Dimou, Charalampos Bratsas, Joseph Corneli, Wolfram Sperber, Michael Kohlhase and Ioannis Antoniou. ‘Reimplementing the Mathematics Subject Classification (MSC) as a Linked Open Dataset’. In: *Intelligent Computer Mathematics*. Conferences on Intelligent Computer Mathematics (CICM). (Bremen, Germany, 9th–14th July 2012). Ed. by Johan Jeuring, John A. Campbell, Jacques Carette, Gabriel Dos Reis, Petr Sojka, Makarius Wenzel and Volker Sorge. Lecture Notes in Artificial Intelligence 7362. Berlin and Heidelberg: Springer Verlag, 2012, pp. 458–462. ISBN: 978-3-642-31373-8. arXiv: 1204.5086 [cs.DL].
- [CP42] **Christoph Lange**, Patrick Ion, Anastasia Dimou, Charalampos Bratsas, Wolfram Sperber, Michael Kohlhase and Ioannis Antoniou. ‘Bringing Mathematics To the Web of Data: the Case of the Mathematics Subject Classification’. In: *The Semantic Web*. 9<sup>th</sup> Extended Semantic Web Conference (ESWC). (Hersonissos, Crete, Greece, 27th–31st May 2012). Ed. by Elena Simperl, Philipp Cimiano, Axel Polleres, Oscar Corcho

<sup>1</sup>In the review process, submissions from chairs were specially handled by the General Chair.

<sup>2</sup>In the review process, submissions from chairs were specially handled by the General Chair.

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- [CP43] **Christoph Lange**, Oliver Kutz, Till Mossakowski and Michael Grüninger. ‘The Distributed Ontology Language (DOL): Ontology Integration and Interoperability Applied to Mathematical Formalization.’ In: *Intelligent Computer Mathematics*. Conferences on Intelligent Computer Mathematics (CICM). (Bremen, Germany, 9th–14th July 2012). Ed. by Johan Jeuring, John A. Campbell, Jacques Carette, Gabriel Dos Reis, Petr Sojka, Makarius Wenzel and Volker Sorge. Lecture Notes in Artificial Intelligence 7362. Berlin and Heidelberg: Springer Verlag, 2012, pp. 463–467. ISBN: 978-3-642-31373-8. arXiv: 1204.5093 [cs.LG].
- [CP44] **Christoph Lange**, Till Mossakowski, Oliver Kutz, Christian Galinski, Michael Grüninger and Daniel Couto Vale. ‘The Distributed Ontology Language (DOL): Use Cases, Syntax, and Extensibility.’ In: *Terminology and Knowledge Engineering Conference (TKE)*. (Madrid, Spain, 20th–21st June 2012). Ed. by Guadalupe Aguado de Cea, Mari Carmen Suárez-Figueroa, Raúl García-Castro and Elena Montiel-Ponsoda. 2012, pp. 33–48. ISBN: 978-84-695-4333-7. arXiv: 1208.0293 [cs.AI]. URL: <http://oeg-lia3.dia.fi.upm.es/tke2012/proceedings>.
- [CP45] Till Mossakowski, **Christoph Lange** and Oliver Kutz. ‘Three Semantics for the Core of the Distributed Ontology Language.’ In: *Formal Ontology in Information Systems*. 7<sup>th</sup> International Conference (FOIS). (Graz, Austria, 24th–27th July 2012). Ed. by Maureen Donnelly and Giancarlo Guizzardi. Frontiers in Artificial Intelligence and Applications 239. Extended abstract published as [IP4]. Amsterdam: IOS Press, 2012, pp. 337–352. ISBN: 978-1-61499-084-0. URL: [http://interop.cim3.net/file/pub/OntoIOP/Publications/FOIS\\_2012/paper.pdf](http://interop.cim3.net/file/pub/OntoIOP/Publications/FOIS_2012/paper.pdf).
- [CP46] Carst Tankink, **Christoph Lange** and Josef Urban. ‘Point-and-write — Documenting Formal Mathematics by Reference.’ In: *Intelligent Computer Mathematics*. Conferences on Intelligent Computer Mathematics (CICM). (Bremen, Germany, 9th–14th July 2012). Ed. by Johan Jeuring, John A. Campbell, Jacques Carette, Gabriel Dos Reis, Petr Sojka, Makarius Wenzel and Volker Sorge. Lecture Notes in Artificial Intelligence 7362. Berlin and Heidelberg: Springer Verlag, 2012, pp. 169–185. ISBN: 978-3-642-31373-8. arXiv: 1204.5094 [cs.MS].
- [CP47] Mihai Cîrlănar, Deyan Ginev and **Christoph Lange**. ‘Authoring and Publishing of Units and Quantities in Semantic Documents.’ In: *The Semantic Web: ESWC 2011 Workshops*. Workshops at the 8<sup>th</sup> Extended Semantic Web Conference (ESWC). (Hersonissos, Crete, Greece, 29th–30th May 2011). Ed. by Raúl García Castro, Dieter Fensel and Grigoris Antoniou. Lecture Notes in Computer Science 7117. Heidelberg: Springer Verlag, 2011, pp. 202–216. ISBN: 978-3-642-25952-4. URL: <http://kwarc.info/clange/pubs/eswc2011-units.pdf>.
- [CP48] **Christoph Lange**. ‘Krextor – An Extensible Framework for Contributing Content Math to the Web of Data.’ In: *Intelligent Computer Mathematics*. Ed. by James Davenport, William Farmer, Florian Rabe and Josef Urban. Lecture Notes in Artificial Intelligence

6824. Springer Verlag, 2011, pp. 304–306. ISBN: 978-3-642-22672-4. URL: <http://kwarc.info/clange/pubs/krextor-system.pdf>.
- [CP49] **Christoph Lange**, Michael Kohlhase, Catalin David, Deyan Ginev, Andrea Kohlhase, Bogdan Matican, Stefan Mirea and Vyacheslav Zholudev. ‘The Planetary System: Executable Science, Technology, Engineering and Math Papers.’ In: *The Semantic Web: Research and Applications (Part II)*. 8<sup>th</sup> Extended Semantic Web Conference (ESWC). (Hersonissos, Crete, Greece, 29th May–2nd June 2011). Ed. by Grigoris Antoniou, Marko Grobelnik, Elena Paslaru Bontas Simperl, Bijan Parsia, Dimitris Plexousakis, Pieter De Leenheer and Jeff Z. Pan. Lecture Notes in Computer Science 6644. Heidelberg: Springer Verlag, 2011, pp. 471–475. ISBN: 978-3-642-21033-4. arXiv: 1103.1482 [cs.DL].
- [CP50] Catalin David, Michael Kohlhase, **Christoph Lange**, Florian Rabe, Nikita Zhiltsov and Vyacheslav Zholudev. ‘Publishing Math Lecture Notes as Linked Data.’ In: *The Semantic Web: Research and Applications (Part II)*. 7<sup>th</sup> Extended Semantic Web Conference (ESWC). (Hersonissos, Crete, Greece, 30th May–3rd June 2010). Ed. by Lora Aroyo, Grigoris Antoniou, Eero Hyvönen, Annette ten Teije, Heiner Stuckenschmidt, Liliana Cabral and Tania Tudorache. Lecture Notes in Computer Science 6089. Springer Verlag, 2010, pp. 370–375. arXiv: 1004.3390v1 [cs.DL].
- [CP51] Andrea Kohlhase, Michael Kohlhase and **Christoph Lange**. ‘Dimensions of Formality: A Case Study for MKM in Software Engineering.’ In: *Intelligent Computer Mathematics*. Ed. by Serge Autexier, Jacques Calmet, David Delahaye, Patrick D. F. Ion, Laurence Rideau, Renaud Rioboo and Alan P. Sexton. Lecture Notes in Artificial Intelligence 6167. Springer Verlag, 2010, pp. 355–369. ISBN: 3642141277. arXiv: 1004.5071v1 [cs.DL].
- [CP52] Andrea Kohlhase, Michael Kohlhase and **Christoph Lange**. ‘sTeX – A System for Flexible Formalization of Linked Data.’ In: *6<sup>th</sup> International Conference on Semantic Systems (I-Semantics) and the 5<sup>th</sup> International Conference on Pragmatic Web*. Ed. by Adrian Paschke, Nicola Henze, Tassilo Pellegrini and Hans Weigand. ACM, 2010. ISBN: 978-1-4503-0014-8. DOI: 10.1145/1839707.1839712. arXiv: 1006.4474v1 [cs.SE]. URL: <http://portal.acm.org/citation.cfm?id=1839707>.
- [CP53] Jana Giceva, **Christoph Lange** and Florian Rabe. ‘Integrating Web Services into Active Mathematical Documents.’ In: *MKM/Calculamus Proceedings*. Ed. by Jacques Carette, Lucas Dixon, Claudio Sacerdoti Coen and Stephen M. Watt. Lecture Notes in Artificial Intelligence 5625. Springer Verlag, July 2009, pp. 279–293. ISBN: 978-3-642-02613-3. URL: <https://svn.omdoc.org/repos/jomdoc/doc/pubs/mkm09/jobad/jobad-server.pdf>.
- [CP54] **Christoph Lange**. ‘SWiM – A semantic wiki for mathematical knowledge management.’ In: *The Semantic Web: Research and Applications*. 5<sup>th</sup> European Semantic Web Conference (ESWC). (Tenerife, Spain, 1st–5th June 2008). Ed. by Sean Bechhofer, Manfred Hauswirth, Jörg Hoffmann and Manolis Koubarakis. Lecture Notes in Computer Science 5021. Springer Verlag, 2008, pp. 832–837. arXiv: 1003.5196v1 [cs.DL].

### Journal and Magazine Articles (not Peer Reviewed)

- [AO1] ‘Dagstuhl Manifesto. Digital Scholarship and Open Science in Psychology and the Behavioral Sciences’. In: *Informatik-Spektrum* 38.6 (2015). Ed. by Alexander Garcia Castro, Janna Hastings, **Christoph Lange**, Robert Stevens and Erich Weichselgartner. ISSN: 0170-6012. URL: <https://drive.google.com/file/d/0ByInISerZBNVWDVyLVR5LVd1VFE/view?usp=sharing>.
- [AO2] Manfred Kerber, **Christoph Lange** and Colin Rowat. ‘Foreword’. In: *Mathematics in Computer Science* 8.1 (Mar. 2014): *Enabling Domain Experts to Use Formalized Reasoning*, pp. 1–4. ISSN: 1661-8270.
- [AO3] Leo Obrst, Michael Grüninger, Ken Baclawski, Mike Bennett, Dan Brickley, Gary Berg-Cross, Pascal Hitzler, Krzysztof Janowicz, Christine Kapp, Oliver Kutz, **Christoph Lange**, Anatoly Levenchuk, Francesca Quattri, Alan Rector, Todd Schneider, Simon Spero, Anne Thessen, Marcela Vegetti, Amanda Vizedom, Andrea Westerinen, Matthew West and Peter Yim. ‘Semantic Web and Big Data Meets Applied Ontology. Ontology Summit 2014 Communiqué’. In: *Applied Ontology* 9.2 (2014), pp. 155–170. ISSN: 1570-5838. DOI: 10.3233/AO-140135.
- [AO4] **Christoph Lange**. ‘Desktop mit Dolmetscher’. In: *freeX Magazin für Netzwerk/Virtualisierung/Sicherheit* 2 (2012), pp. 90–94.
- [AO5] **Christoph Lange**. ‘Vokabelheft fürs Web’. In: *freeX Magazin für Netzwerk/Virtualisierung/Sicherheit* 1 (2012), pp. 42–45. URL: <http://www.cul.de/data/freex12012pr.pdf>.

### Standards

- [St1] *The Distributed Ontology, Modeling and Specification Language (DOL)*. ad/15-10-01. Version 0.99. OMG, 9th Nov. 2015. URL: <http://ontoiop.org>.
- [St2] *Ontology, Model and Specification Integration and Interoperability (OntoIOp)*. Request for Proposals (RFP) ad/13-12-02. OMG, 2nd Dec. 2013. URL: <http://www.omg.org/cgi-bin/doc?ad/2013-12-02> (visited on 2013-12-02).

### Invited Papers

- [IP1] **Christoph Lange** and Sören Auer. ‘Linking Data and Knowledge in Enterprises, Research and Society’. In: *Databases and Information Systems VIII. Selected Papers from the Eleventh International Baltic Conference. DB&IS*. (Tallinn, Estonia, 8th–11th June 2014). Ed. by Hele-Mai Haav, Ahto Kalja and Tarmo Robal. *Frontiers in Artificial Intelligence and Applications* 270. IOS Press, Nov. 2014, pp. 3–14. ISBN: 978-1-61499-457-2.
- [IP2] Sören Auer and **Christoph Lange**. ‘Interlinking Data and Knowledge in Enterprises, Research and Society with Linked Data’. In: *Proceedings of the 11<sup>th</sup> International Baltic Conference on Databases and Information Systems (Baltic DB&IS)*. (Tallinn, Estonia, 8th–11th June 2014). Ed. by Hele-Mai Haav, Ahto Kalja and Tarmo Robal. Invited paper. Tallinn, Estonia: Tallinn University of Technology Press, 2014, pp. 3–12. ISBN: 978-9949-23-632-9.

- [IP3] Sören Auer, **Christoph Lange** and Timofey Ermilov. 'Towards Facilitating Scientific Publishing and Knowledge Exchange Through Linked Data'. In: *Theory and Practice of Digital Libraries – TPDL 2013 Selected Workshops – LCPD 2013, SUEDL 2013, Data-Cur 2013. Revised Selected Papers*. (Valletta, Malta, 22nd–26th Sept. 2013). Ed. by Łukasz Bolikowski, Vittore Casarosa, Paula Goodale, Nikos Houssos, Paolo Manghi and Jochen Schirrwagen. Vol. 416. Communications in Computer and Information Science. Springer, 2014, pp. 10–15. ISBN: 978-3-319-08424-4.
- [IP4] Till Mossakowski, **Christoph Lange** and Oliver Kutz. 'Three Semantics for the Core of the Distributed Ontology Language (Extended Abstract)'. In: *International Joint Conference on Artificial Intelligence*. 23<sup>rd</sup> International Conference (IJCAI 2013), track on best papers in sister conferences. (Beijing, China, 3rd–9th Aug. 2013). Ed. by Francesca Rossi. Palo Alto, CA, USA: AAAI Press, 2013.

### Invited Talks

- [IT1] **Christoph Lange**. *Enabling domain experts to generate value out of heterogeneous interlinked data*. Invited Talk at Laboratoire Hubert Curien, Université Jean Monnet. 15th Dec. 2016.
- [IT2] **Christoph Lange**. *Research Careers in Applied Computer Science*. Invited Talk at Laboratoire Hubert Curien, Université Jean Monnet. 13th Dec. 2016.
- [IT3] **Christoph Lange**. *Industrial Data Space – Digital Sovereignty over Data*. Invited talk at the Taipei Tech Workshop of the Vienna Data Science Group. 22nd Nov. 2016.
- [IT4] **Christoph Lange**. *Industrial Data Space – Digitale Souveränität über Daten*. Keynote at the public kick-off of the Data Market Austria project. 3rd Nov. 2016.
- [IT5] **Christoph Lange**. *Interlinking Data and Knowledge in Enterprises, Research and Society with Linked Data*. Keynote at the 11<sup>th</sup> International Baltic Conference on Databases and Information Systems (Baltic DB&IS). 9th June 2014.
- [IT6] **Christoph Lange**. *Linked Open (Geo)Data and the Distributed Ontology Language – a perfect match*. Invited Talk at SFB/TR 8 Spatial Cognition, Universität Bremen. 20th Sept. 2013.
- [IT7] **Christoph Lange**. *Linking Big Data to Rich Process Descriptions*. Invited Talk at Fraunhofer IAIS. 19th Sept. 2013.
- [IT8] Manfred Kerber, **Christoph Lange** and Colin Rowat. *An economist's guide to mechanized reasoning or My computer just proved 84 impossibility theorems*. Ed. by Kenneth Judd. Invited lecture at the Initiative for Computational Economics summer school. 25th July 2012. URL: <http://cs.bham.ac.uk/research/projects/formare/pubs/ice2012/2012-07-25-ice-mech-reas-econ.pdf>.
- [IT9] **Christoph Lange**. *Mathematik lernen in einem semantischen Wiki*. Invited talk at the 99<sup>th</sup> MNU-Kongress (Deutscher Verein zur Förderung des mathematischen und naturwissenschaftlichen Unterrichts e.V.) Mar. 2008. URL: <http://kwarc.info/projects/swim/pubs/mnu08-mathe-lernen-semwiki.pdf>.

## Tutorials

- [Tut1] Sahar Vahdati, Giorgos Alexiou, George Papastefanatos and **Christoph Lange**. *Making Use of the Linked Open Data Services for OpenAIRE: Querying Data about Research Results, Persons, Projects and Organisations*. Tutorial at Digital Infrastructures for Research 2016, Serving the User Base. 28th Sept. 2016. URL: [http://www.slideshare.net/OpenAIRE\\_eu/clipboards/di4r2016](http://www.slideshare.net/OpenAIRE_eu/clipboards/di4r2016).
- [Tut2] **Christoph Lange**. *Publishing 5-star Open Data*. Tutorial at the Web Intelligence Summer School “Answering Questions with the Web”. 1st Sept. 2015. URL: <http://clang.github.io/5stardata-tutorial/>.
- [Tut3] **Christoph Lange**. *DBpedia und das Web der Daten: Wikipedia und das Web wie eine Datenbank abfragen*. Highlights der Informatik: Theorie und Anwendungen. Bonner Hochschultage. 23rd Feb. 2015.
- [Tut4] **Christoph Lange**. *Publishing 5-star Open Data*. Tutorial at the Web Intelligence Summer School “Web of Data”. 25th Aug. 2014. URL: <http://clang.github.io/5stardata-tutorial/>.
- [Tut5] **Christoph Lange**. *DBpedia: eine Datenbank mit Wissen aus Wikipedia*. Highlights der Informatik: Theorie und Anwendungen. Bonner Hochschultage. 18th Feb. 2014.
- [Tut6] **Christoph Lange**, Manfred Kerber and Colin Rowat. *Applying Mechanised Reasoning in Economics – Making Reasoners Applicable for Domain Experts*. Ed. by Ulrich Furbach, Rüdiger Grimm, Felix Hampe, Steffen Staab and Maria Wimmer. Tutorial at INFORMATIK 2013, Computer science adapted to humans, organization and the environment, 43<sup>rd</sup> annual meeting of the German Informatics Society (Gesellschaft für Informatik e.V. (GI)). 17th Sept. 2013. URL: <http://cs.bham.ac.uk/research/projects/formare/events/informatik2013>.

## Other Conference Contributions

The quality standards of the conferences in this list are comparable to those of workshops.

- [CO1] **Christoph Lange**, Till Mossakowski, Christian Galinski and Oliver Kutz. ‘Making Heterogeneous Ontologies Interoperable Through Standardisation. A Meta Ontology Language to be Standardised: Ontology Integration and Interoperability (OntoIOp)’. In: *Accessibility Reaching Everywhere*. AEGIS 2<sup>nd</sup> International Conference. (Brussels, Belgium, 29th–30th Nov. 2011). Nov. 2011, pp. 185–196. URL: <http://www.epr.eu/aegis/?cat=46>.
- [CO2] Oliver Kutz, Till Mossakowski, Christian Galinski and **Christoph Lange**. ‘Towards a Standard for Heterogeneous Ontology Integration and Interoperability’. In: *First International Conference on Terminology, Language and Content Resources (LaRC)*. (Seoul, Korea, 10th–11th June 2011). Ed. by Key-Sun Choi et al. Seoul: KATS, June 2011, pp. 101–110. URL: [http://ke.yu.ac.kr/LaRC11/Proceedings\\_LaRC.pdf](http://ke.yu.ac.kr/LaRC11/Proceedings_LaRC.pdf).

## Workshop and Similar Contributions (Predominantly Peer Reviewed)

This list includes poster presentations.

- [WP1] Andreas Behrend, Sahar Vahdati, **Christoph Lange** and Christiane Engels. ‘Towards a Cloud-Based Service for Maintaining Data About Scientific Events’. In: *Semantics, Analytics, Visualization: Enhancing Scholarly Data*. 3<sup>rd</sup> Workshop at WWW. SAVE-SD (Perth, Australia, 3rd Apr. 2017). Ed. by Alejandra Gonzalez-Beltran, Francesco Osborne, Silvio Peroni and Sahar Vahdati. 2017. In press.
- [WP2] Philipp Mayr, Fakhri Momeni, Afshin Sadeghi and **Christoph Lange**. ‘Opening Scholarly Communication in Social Sciences by Connecting Collaborative Authoring to Peer Review’. In: Open Science Conference. (Berlin, Germany, 21st–22nd Mar. 2017). 2017. URL: [https://www.open-science-conference.eu/wp-content/uploads/2017/03/15\\_Poster.pdf](https://www.open-science-conference.eu/wp-content/uploads/2017/03/15_Poster.pdf).
- [WP3] Philipp Mayr, Fakhri Momeni and **Christoph Lange**. ‘Opening Scholarly Communication in Social Sciences: Supporting Open Peer Review with Fidus Writer’. In: EA Conference “Innovating the Gutenberg Galaxis. The role of peer review and open access in university knowledge dissemination and evaluation”. (Mainz, Germany, 26th–27th Jan. 2016). Poster. 11th Jan. 2016. DOI: 10.5281/zenodo.44609. arXiv: 1601.02927 [cs.DL].
- [WP4] Diego Collarana, **Christoph Lange** and Sören Auer. ‘FuhSen: A Platform for Federated, RDF-based Hybrid Search’. In: *WWW’16 Companion*. 25<sup>th</sup> International World Wide Web Conference. WWW (Montréal, Québec, Canada, 11th–15th Apr. 2016). ACM, 2016, pp. 171–174. DOI: 10.1145/2872518.2890535. URL: <http://www2016.net/proceedings/companion/p171.pdf>.
- [WP5] Ioanna Lytra, Maria-Esther Vidal, **Christoph Lange**, Sören Auer and Elena Demidova. ‘WDAqua – Answering Questions using Web Data’. In: *EU Project Networking*. 13<sup>th</sup> European Semantic Web Conference (ESWC). (Anissaras, Crete, Greece, 1st June 2016). Ed. by Erik Mannens, Mauro Dragoni, Lyndon Nixon and Oscar Corcho. 2016.
- [WP6] Saeedeh Shekarpour, Denis Lukovnikov, Ashwini Jaya Kumar, Kemele M. Endris, Kuldeep Singh, Harsh Thakkar and **Christoph Lange**. ‘Question Answering on Linked Data: Challenges and Future Directions’. In: *WWW’16 Companion*. 25<sup>th</sup> International World Wide Web Conference. WWW (Montréal, Québec, Canada, 11th–15th Apr. 2016). ACM, 2016, pp. 693–698. URL: <http://www2016.net/proceedings/companion/p693.pdf>.
- [WP7] Jeremy Debattista, **Christoph Lange** and Sören Auer. ‘Luzzu - A Framework for Linked Data Quality Assessment (Demo)’. In: *Proceedings of the Posters & Demonstrations Track of the 14<sup>th</sup> International Semantic Web Conference (ISWC)*. (Bethlehem, PA, USA, 11th Oct. 2015). Ed. by Serena Villata, Jeff Z. Pan and Mauro Dragoni. CEUR Workshop Proceedings 1486. Aachen, 3rd Dec. 2015. URL: <http://CEUR-WS.org/Vol-1486/>.

- [WP8] **Christoph Lange**. ‘Scholarly Communication and Semantic Publishing: Technical Challenges, and Recent Applications to Social Sciences’. In: *Digital Scholarship and Open Science in Psychology and the Behavioral Sciences*. Dagstuhl Perspectives Workshop 15302. (Dagstuhl, Germany, 19th–24th July 2015). Ed. by Alexander Garcia Castro, Janna Hastings, Robert Stevens and Erich Weichselgartner. Vol. 5. Dagstuhl Reports 7. Dagstuhl Publishing, 2015. DOI: 10.4230/DagRep.5.7.42. URL: <http://www.dagstuhl.de/15302>.
- [WP9] **Christoph Lange**, Saeedeh Shekarpour and Sören Auer. ‘The WDAqua ITN – Answering Questions using Web Data’. In: *EU Project Networking*. 12<sup>th</sup> Extended Semantic Web Conference (ESWC). (Portorož, Slovenia, 3rd June 2015). Ed. by Frédérique Segond, Jun Zhao, Erik Mannens and Sergio Consoli. 2015. arXiv: 1506.04094 [cs.IR].
- [WP10] Colin Rowat, Marco B. Caminati, Manfred Kerber and **Christoph Lange**. ‘Sound Auction Specification and Implementation’. In: *Optimal Control and Dynamic Games*. 13<sup>th</sup> Viennese Workshop. (Vienna, Austria, 13th–16th May 2015). Ed. by G. Feichtinger, J. L. Haunschmid, G. Tragler and V. M. Veliov. 2015.
- [WP11] Jeremy Debattista, **Christoph Lange** and Sören Auer. ‘daQ, an Ontology for Dataset Quality Information’. In: *Linked Data on the Web (LDOW)*. (Seoul, 8th Apr. 2014). Ed. by Christian Bizer, Tom Heath, Sören Auer and Tim Berners-Lee. CEUR Workshop Proceedings 1184. Aachen, July 2014. URL: <http://events.linkedata.org/ldow2014/>.
- [WP12] Marco B. Caminati, Manfred Kerber, **Christoph Lange** and Colin Rowat. ‘Reasoning about Auctions’. In: *Joint Automated Reasoning Workshop and Deduktionstreffen (ARW-DT)*. (Vienna, Austria, 23rd–24th July 2014). Ed. by Alexander Bolotov and Manfred Kerber. 2014.
- [WP13] **Christoph Lange**. ‘Machine Support for Interacting with Scientific Publications, Improving Information Retrieval, and Assessing the Quality of Scientific Output’. In: *4<sup>th</sup> German-Russian Young Researchers Forum*. (Saint-Petersburg, Russia, 6th–9th July 2014). 2014.
- [WP14] Till Mossakowski, Mihai Codescu, Oliver Kutz, **Christoph Lange** and Michael Grüninger. ‘Proof Support for Common Logic’. In: *Automated Reasoning in Quantified Non-Classical Logics (ARQNL)*. (Vienna, Austria, 23rd July 2014). Ed. by Christoph Benzmüller and Jens Otten. EasyChair Proceedings in Computing 33. EasyChair, 2014, pp. 42–58. URL: [http://easychair.org/publications/paper/Proof\\_Support\\_for\\_Common\\_Logic](http://easychair.org/publications/paper/Proof_Support_for_Common_Logic).
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### Submissions under Review

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### External Listings

1. Google Scholar profile
2. my DBLP page
3. Microsoft Academic Search (Computer Science)
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