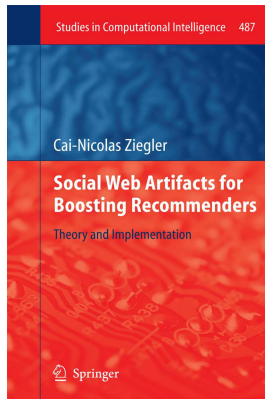


LIST OF PUBLICATIONS

PD DR.-ING. CAI-NICOLAS ZIEGLER – MAY 04, 2014

LATEST BOOK PUBLICATION



Social Web Artifacts for Boosting Recommenders
Theory and Implementation

Series „Studies in Computational Science“, vol. 487

Springer-Verlag Heidelberg

187 pages, June, 2013

Hardcover, ISBN 978-3-319-00527-0

THESES

Automated Capture of Strategic Knowledge on the Web; Cai-Nicolas Ziegler, *Habilitationsschrift*, Albert-Ludwigs-Universität Freiburg, February 2010; Freiburg i. Br., Germany

Towards Decentralized Recommender Systems; Cai-Nicolas Ziegler; *Ph.D. thesis*, Albert-Ludwigs-Universität Freiburg, June 2005; Freiburg i. Br., Germany.

A JIT Learning Architecture Based on Description Logics; Cai-Nicolas Ziegler; *Diploma Thesis*, University of Passau, March 2003; Passau, Germany.

CONFERENCE PROCEEDINGS

Evaluating Hybrid Music Recommender Systems; Thomas Hornung, Cai-Nicolas Ziegler, Simon Franz, Martin Przyjaciel-Zablocki, Alexander Schätzle, Georg Lausen; *Proceedings of the 2013 IEEE / WIC / ACM International Conference on Web Intelligence (WI '13)*, November 17-20, 2013, Atlanta, GA, USA.

Recommending Software Apps in a B2B Context; Cai-Nicolas Ziegler, Alexandru Oprea, Thomas Hornung, Holger Eggs, Georg Lausen; *Proceedings of the 2013 IEEE / WIC / ACM International Conference on Web Intelligence (WI '13)*, November 17-20, 2013, Atlanta, GA, USA. Industrial track.

On Weighted Hybrid Track Recommendations; Simon Franz, Thomas Hornung, Cai-Nicolas Ziegler, Martin Przyjaciel-Zablocki, Alexander Schätzle, Georg Lausen; *Proceedings of the 2013 Int'l Conference on Web Engineering (ICWE '13)*, July 08-12, 2013, Aalborg, Denmark. Poster.

A Hybrid B2B App Recommender System; Alexandru Oprea, Thomas Hornung, Cai-Nicolas Ziegler, Holger Eggs, Georg Lausen; *Proceedings of the 2013 Int'l Conference on Web Engineering (ICWE '13)*, July 08-12, 2013, Aalborg, Denmark. Demo track.

Leveraging Sources of Collective Wisdom on the Web for Discovering Technology Synergies; Cai-Nicolas Ziegler, Stefan Jung; *Proceedings of the 32nd Annual ACM Conference on Research and Development in Information Retrieval (SIGIR '09)*, July 19-23, 2009, Boston, MA, USA (acceptance rate: 16%, 78/494).

Discovering Communities of Interest in a Tagged Online Environment; Walter Kammergruber, Maximilian Viermetz, Cai-Nicolas Ziegler; *Proceedings of the IEEE International Conference on Computational Aspects of Social Networks (CASoN '09)*; June 24-27, 2009, Fontainebleau, France.

Distilling Informative Content from HTML News Pages; Cai-Nicolas Ziegler, Christian Vögele, Maximilian Viermetz; *Proceedings of the IEEE / WIC / ACM International Conference on Web Intelligence (WI '09)*; September 15-18, 2009, Milano, Italy.

Discovery of Technology Synergies Through Collective Wisdom; Cai-Nicolas Ziegler, Stefan Jung, Maximilian Viermetz; *Proceedings of the IEEE / WIC / ACM International Conference on Web Intelligence (WI '09)*; September 15-18, 2009, Milano, Italy.

Tracking Topic Evolution in News Environments; Maximilian Viermetz, Michal Skubacz, Cai-Nicolas Ziegler, Dietmar Seipel; *Proceedings of the 2008 IEEE Conference on Enterprise Computing, E-Commerce, and E-Services (EEE '08)*, July 22-24, 2008, Washington, DC, USA.

Mining and Exploring Unstructured Customer Feedback Data Using Language Models and Treemap Visualizations; Cai-Nicolas Ziegler, Michal Skubacz, Maximilian Viermetz; *Proceedings of the 2008 IEEE / WIC / ACM Conference on Web Intelligence (WI '08)*, December 09-12, 2008, Sydney, Australia. Industrial track (acceptance rate: 17%).

Content Extraction from News Pages Using Particle Swarm Optimization on Linguistic and Structural Features; Cai-Nicolas Ziegler, Michal Skubacz; *Proceedings of the 2007 IEEE / WIC / ACM International Conference on Web Intelligence (WI '07)*, pp. 242-249; Nov 02-05, 2007, Silicon Valley, CA, USA (acceptance rate: 16%, 57/358).

Towards Automated Reputation and Brand Monitoring on the Web; Cai-Nicolas Ziegler, Michal Skubacz; *Proceedings of the 2006 IEEE / WIC / ACM International Conference on Web Intelligence (WI '06)*, December 18-22, 2006, Hong Kong, China. Industrial track (acceptance rate: 18%, 67/374).

Automatic Computation of Semantic Proximity Using Taxonomic Knowledge; Cai-Nicolas Ziegler, Kai Simon, Georg Lausen; *Proceedings of the 2006 ACM International*

Conference on Information and Knowledge Management (CIKM '06), November 6-11, 2006, Arlington, VA, USA (acceptance rate: 15%, 81/537).

Lessons on Applying Automated Recommender Systems to Information-Seeking Tasks; Joseph Konstan, Sean McNee, Cai-Nicolas Ziegler, Roberto Torres, Nishikant Kapoor, John Riedl; *Proceedings of the Twenty-First National Conference on Artificial Intelligence (AAAI '06)*, July 2006, Boston, MA, USA.

Improving Recommendation Lists Through Topic Diversification; Cai-Nicolas Ziegler, Sean M. McNee, Joseph A. Konstan, Georg Lausen; *Proceedings of the 14th International World Wide Web Conference (WWW '05)*, May 10-14, 2005, Chiba, Japan (acceptance rate: 14%, 77/550).

Taxonomy-driven Computation of Product Recommendations; Cai-Nicolas Ziegler, Georg Lausen, Lars Schmidt-Thieme; *Proceedings of the 2004 ACM International Conference on Information and Knowledge Management (CIKM '04)*, November 8-13, 2004, Washington, D.C., USA (acceptance rate: 19%, 59/303).

Paradigms for Decentralized Social Filtering Exploiting Trust Network Structure; Cai-Nicolas Ziegler, Georg Lausen; *Proceedings of the DOA/CoopIS/ODBASE 2004 Confederated Int'l Conferences (OTM '04)*, October 25-29, 2004, Larnaca, Cyprus (acceptance rate: 26.4%, 32/121). LNCS 3291.

Analyzing Correlation Between Trust and User Similarity in Online Communities; Cai-Nicolas Ziegler and Georg Lausen; *Proceedings of the Second International Conference on Trust Management*, March 29-April 01, 2004, Oxford, UK. LNCS 2995.

Spreading Activation Models for Trust Propagation; Cai-Nicolas Ziegler and Georg Lausen; *IEEE International Conference on e-Technology, e-Commerce, and e-Service (EEE '04)*, March 29-31, 2004, Taipei, Taiwan. IEEE EEE'04 Best Paper Award.

JOURNAL PUBLICATIONS

Music Recommenders Based on Hybrid Techniques and Serendipity; Cai-Nicolas Ziegler, Thomas Hornung, Martin Przyjaciel-Zablocki, Sven Gauß, Georg Lausen; *Web Intelligence and Agent Systems*; to appear; IOS Press.

On Exploiting Classification Taxonomies in Recommender Systems; Cai-Nicolas Ziegler, Georg Lausen, Joseph Konstan; *AI Communications* 21(2-3): 97-125 (2008).

Investigating Interactions of Trust and Interest Similarity; Cai-Nicolas Ziegler, Jennifer Golbeck; *Decision Support Systems* 43 (2), pp. 460-475, February 2007; Elsevier Science.

Propagation Models for Trust and Distrust in Social Networks; Cai-Nicolas Ziegler, Georg Lausen; *Information Systems Frontiers* 7 (4-5), pp. 337-358, December 2005; Springer-Verlag.

Scalable Trust Propagation Models; Cai-Nicolas Ziegler; *Information Security Bulletin* 10 (6), pp. 223-232, July 2005; CHI Publishing Ltd.

BOOKS

Social Web Artifacts for Boosting Recommenders – Theory and Implementation; Cai-Nicolas Ziegler; 187 pages, in *Studies of Computational Intelligence* (vol. 487), Springer-Verlag Heidelberg, June 2013; ISBN 978-3-319-00527-0

Mining for Strategic Competitive Intelligence – Foundations and Applications; Cai-Nicolas Ziegler; 206 pages, in *Studies of Computational Intelligence* (vol. 406), Springer-Verlag Heidelberg, April 2012; ISBN 978-3-642-27713-9

Towards Decentralized Recommender Systems - Mitigating Rating Sparsity and Enabling Distributed Data Storage; Cai-Nicolas Ziegler; 160 pages, *VDM Verlag Dr. Müller*, May 2008; ISBN 363-9-011-49X.

BOOK CHAPTERS

Models for Trust Inference in Social Networks; Cai-Nicolas Ziegler, Jennifer Golbeck; *Propagation Phenomena in Real World Networks*; Dariusz Krol, Damien Fay, Bogdan Gabrys (Eds.); *Intelligent Systems Reference Library*, October 2014 (to appear); Springer Verlag, Heidelberg, Germany.

Fully-Automatic Web Data Extraction; Cai-Nicolas Ziegler; *Encyclopedia of Database Systems*; Özsu, Tamer, Liu, Ling (Eds.); June 2009; Springer Verlag, Heidelberg, Germany.

GUIs for Web Data Extraction; Cai-Nicolas Ziegler; *Encyclopedia of Database Systems*; Özsu, Tamer, Liu, Ling (Eds.); June 2009; Springer Verlag, Heidelberg, Germany.

On Propagating Interpersonal Trust in Social Networks; Cai-Nicolas Ziegler; *Computing with Social Trust*; Golbeck, Jennifer (Ed.); *Human-Computer Interaction Series*, December 2008; Springer Verlag, Heidelberg, Germany.

Semantic Web Recommender Systems; Cai-Nicolas Ziegler; *EDBT 2004 Workshops (PhD, DataX, PIM, P2P&DB, and ClustWeb). Selected and Revised Papers*, March 14-18, 2004, Heraklion, Greece. LNCS 3268.

PEER-REVIEWED WORKSHOP PAPERS

Emergence of Spontaneous Order Through Neighborhood Formation in Peer-to-Peer Recommender Systems; Ernesto Diaz-Aviles, Lars Schmidt-Thieme, Cai-Nicolas Ziegler; *Proceedings of the WWW '05 International Workshop on Innovations in Web Infrastructure (IWI '05)*, May 10-14, 2005, Chiba, Japan.

Exploiting Semantic Product Descriptions for Recommender Systems; Cai-Nicolas Ziegler, Lars-Schmidt-Thieme, Georg Lausen; *Proceedings of the 2nd ACM SIGIR Semantic Web and Information Retrieval Workshop (SWIR '04)*, July 25-29, 2004, Sheffield, UK.

Semantic Web Recommender Systems; Cai-Nicolas Ziegler; *Proceedings of the Joint ICDE/EDBT Ph.D. Workshop 2004*, March 14-18, 2004, Heraklion, Greece (acceptance rate: 24.4%, 21/86).