Dr. Christoph Trattner

Curriculum Vitae

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Assoc. Prof. DI Dr. Christoph Trattner BSc

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Personal Information

Name	DI Dr. Christoph Trattner, BSc
Birth Date/Place	24 February 1980, Graz, Austria
Nationality	Austrian
Marital Status	Single
Languages	German (native), English (fluent)
Research	**Data Science & Recommender Systems**
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Education

2009 - 2012	**PhD (Dr. techn.) in Computer Science (with distinction)** Graz University of Technology, Graz, Austria
2008 - 2009	**Master of Science (Dipl.-Ing.) in Telematics (with distinction)** Graz University of Technology, Graz, Austria
2004 - 2008	**Bachelor of Science (BSc) in Telematics** Graz University of Technology, Graz, Austria

Work Experience at Academic Institutions

since Feb 2018	**Associate Professor (permanent position) in the Information Science Department at the University of Bergen,** Norway (Full-Time).
2017 - 2018	**Assistant Professor (tenure track) in the New Media Department at the MODUL University Vienna,** Austria (Full-Time).
2013 - 2016	**Area Manager and Key Researcher at the Know-Center at Graz University of Technology,** Graz, Austria, Research Competence Center for Big Data Analytics and Data Driven Business, Graz, Austria (Full-Time)**.**
2013 - 2016	**Adjunct Professor at Graz University of Technology,** Graz, Austria, in **Web Science, Information Systems & Web Technology** (Part Time).
2014 - 2015	**ERCIM Research Fellow** at the Department of Computer and Information Science, at the N**orwegian University of Science and Technology,** Trondheim, Norway. The funding was awarded by the European Research Consortium of Informatics and Mathematics - **acceptance rate 19/186** (Full-Time). The fellowship included two research visits to - **Yahoo! Labs, Barcelona** in October 2014 - **CWI, Amsterdam** in July and September 2015.
2012 - 2013	**Post-Doctoral Researcher at Graz University of Technology,** Graz, Austria, Knowledge Technologies & Institute for Information Systems and Computer Media (Full-Time).
2011 - 2012	**Marshall Plan Visiting Scholar at the University of Pittsburgh,** Pittsburgh, US, School of Information Sciences, Scholarship awarded by the Austrian Marshall Plan Foundation (Full-Time).
2009 - 2012	**FFG Dissertation Fellow at Graz University of Technology,** Graz, Austria, Knowledge Technologies & Institute for Information Systems and Computer Media (Full-Time). The FFG Dissertation Fellowship was awarded by the Austrian Research Promotion Agency (FFG).

2008 - 2009	**Junior Researcher at the Graz University of Technology,** Graz, Austria, at the Institute for Information Systems and Computer Media (Part-Time).

Research Projects

with Research Institutions (International, European & National Funding)

since 2015	**FOODWEB** – "Understanding and Predicting Interactions Patterns in Online Food Communities" an ERCIM & FFG funded project; Role: Project Leader.
since 2015	**DIOIRSI** - "Dealing with Information Overload using Intelligent Recommender System Interfaces" a Conicyt Chile funded project; Volume: $135,000. Role: Key Researcher.
since 2013	**UPIS** – Understanding and Predicting Interactions in Social and Location-based Social Networks, co-funded by Ministry of Economy Chile. Role: Project Leader.
2013 - 2016	**SCUE** – "Understanding the Impact of Social Cues for Search" a FFG funded project; Role: Project Leader.
2013 - 2015	**LAYERS** - "Learning Layers - Scaling up Informal Learning in SME Clusters" an EU FP7-ICT-IP funded project; Volume: $15,800,000. Participation as scientific expert partner and work package leader for Social Semantic Network Construction, Recommendation & Analytics Services. Role(s): WP Leader.
2013 - 2015	**MERTIS** - "Implicit and Explicit Memory in Collaborative Tagging: A Dual Process Model for Investigating Encoding and Production of Tags in Social Web Environments", an Austrian Science Fund (FWF) funded project. Volume: $176,000. Participation as scientific research associate for recommender services. Role(s): Key Researcher.
2013 - 2014	**Organic.Lingua** - "Demonstrating the potential of a multilingual Web portal for Sustainable Agricultural & Environmental Education", an EU CIP-ICT-PSP project. Volume: $3,500,000. Participation as scientific partner and task leader for collaboration tools and recommender services, Role(s): Task Leader.
2011 - 2012	**NAVTAG** - "Improving the Navigability of Social Tagging Systems; an Austrian Research Promotion Agency (FFG) funded project. Volume: $100,000. Participation as research fellow. Role: Junior Researcher.
2011 - 2012	**TEAM** - "Transferring knowledgE on Academic knowledge Management", an EU FP7-PEOPLE funded project. Participation as expert research partner for emergent semantics. Volume: $1,260,000. Role: Junior Researcher.
	Sprichwort - "An Internet learning platform for language learning", an EU LLP funded project. Volume: $500,000. Participation as scientific

2009 - 2010	expert research partner for collaborative online learning tools. Role: Junior Researcher.
2010 - 2011	**TEMPUS** - "Creation of the third cycle studies – doctoral studies in metrology", an EU IPA 2008 funded project. Volume: $1,260,000. Participation as project partner. Role: Junior Researcher.
2009 - 2012	**Austria-Forum** - "The Austria Knowledge Database", a large-scale project funded by the Federal Ministry for Education and Women. Volume: > $1,000,000. Role: Junior Researcher.

with Industry Partners (National Funding)

2013 – 2014	**BlancNoir** - "Towards a Big Data recommender engine for offline and online marketplaces" an Austrian Research Promotion Agency (FFG) funded project; Volume: $458,000. Role(s): Senior Researcher, Project Leader.
2013 – 2014	**I2F** - "Towards a Social Media and Online Marketing Manager Seminar" an Austrian Research Promotion Agency (FFG) funded project; Volume: $26,000. Role(s): Senior Researcher, Project Leader.
2014	**Automation-X** - "Towards a scalable Graph-based Visual search solution" an Austrian Research Promotion Agency (FFG) funded project; Volume: $45,000. Role(s): Senior Researcher, Project Leader.
2014	**Styria** - "Towards a scalable crowd-based hierarchical cluster labeling approach for willhaben.at" an Austrian Research Promotion Agency (FFG) funded project; Volume: $37,500. Role(s): Senior Researcher, Project Leader.
2014	**TripRebel** - "Towards an engaging hybrid hotel recommender solution for triprebel.com" an Austrian Research Promotion Agency (FFG) funded project; Volume: $62,500. Role(s): Senior Researcher, Project Leader.
2014	**CDS** - "Towards a scalable Entity & Graph-based Visual search solution for cds.at" an Austrian Research Promotion Agency (FFG) funded project; Volume: $37,500. Role(s): Senior Researcher, Project Leader.
2014	**Exthex** - "Towards an efficient viral social media marketing champagne in Facebook and Twitter" an Austrian Research Promotion Agency (FFG) funded project; Volume: $75,000. Role(s): Senior Researcher, Project Leader.
2013	**CDS** - "Towards a light-weight and ubiquitous social system for information sharing and knowledge construction" an Austrian Research Promotion Agency (FFG) funded project; Volume: $37,500. Role(s): Senior Researcher, Project Leader.
2012	**VirWoX** - "Towards a cross-domain social recommender solution for virwox.com" an Austrian Research Promotion Agency (FFG) funded project; Volume: $6,300. Role(s): Senior Researcher, Project Leader.

Acquisition of External Funding

Grants (International & Nation Funding)

2018	**FWF – FOOD CHOICE. Amount: 500,000EUR** (3 years) <u>PI</u> Joint Project Research Grant. This grant proposal was written together with David Elsweiler from the University of Regensburg. I am coordinator and project leader of this project that is on understanding, modeling and predicting food choices of people on the Web. The FWF is the lead-agency of this project. (under review)
2017	**FFG – EcoMove - Knowledge-based platform for predicting mobility bottlenecks and promoting sustainable behavioral change. Amount: 345,424EUR** (2 years) <u>CO-PI</u> I was responsible for the coordination of the project proposal and for describing the WP dedicated to predictive modeling and recommender systems.
2017	**EU – ReTV - Enhancing and Repurposing TV Content. Amount: 3,100,000EUR** (4 years) <u>CO-Writer</u> I helped in shaping the recommender systems and predictive modeling part of the proposal.
2015	**EU – AFEL - Analytics For Everyday Learning. Amount: 2,581,940EUR** (4 years) <u>CO-Writer</u> I was responsible for the coordination of the project from the KC side and for describing the WPs dedicated to visual analytics and social network analysis.
2014	**FFG – K1 Research Center Grant. Amount: $20,400,000** (8 years) <u>CO-Writer</u> This grant proposal was written to extend the funding period of the Know-Center for the next 8 years. I contributed significantly to this proposal by setting up a detailed strategic research plan with according industry partners for the newly created research area social computing – one out of four research areas at the center. The Austrian Research Promotion Agency (FFG) provides the research grant.
2014	**FFG – 6 COMET Grants. Amount: $572,000** (1 year) <u>CO-PI/PI</u> I co-acquired 6 scientific industry projects supported with grants by the Austrian Research Promotion Agency (FFG) in the area of Social Computing; one of the project partners is one of the largest media companies in central Europe; another one is a young German company winning the European start-up competition prize in Amsterdam.
2013	**FFG – 3 COMET Grants. Amount: $265,000** (1 year) <u>CO-PI/PI</u> I co-acquired three industry projects supported with grants by the Austrian Research Promotion Agency (FFG) in the area of Social Computing.
2012	**FFG – Innovation Check Grant. Amount: $6,300** (1 year) <u>PI</u> This grant proposal was written to conduct in-depth research on the problem of social recommender systems on multi-dimensional social media data. The research was conducted together with an Austrian start-

up with the goal to develop a prototypical social recommender system approach for a virtual marketplace.

Fellowships (European & National Funding)

2014	**ERCIM – Marie Curie/Alain Benssousan Fellowship Award. Amount: $50,000** (1 year) <u>PI</u> This research proposal was written to conduct individual in-depth research on the problem of predictive modeling in big data with colleagues at NTNU in Norway. The research grant is provided by ERCIM - the European Research Consortium of Informatics and Mathematics – **acceptance rate 19/186**
2012	**Marshall Plan Visiting Scholar Fellowship Award. Amount: $10,000** (5 months) <u>PI</u> This research proposal was written to conduct individual in-depth research on the topic of efficient information access in social systems. The Austrian Marshall Plan Foundation provided the research grant.
2011	**FFG - Dissertation Fellowship Award. Amount: $100,000** (2 years) <u>CO-PI</u> This proposal was written together with my PhD advisor Prof. Denis Helic to conduct individual in-depth research on the topic of tag-based information access in social systems. I contributed significantly to the ideas, the study planning, and the overall research plan. The Austrian Research Promotion Agency (FFG) provided the research grant.

Teaching Experience

Courses Co-Developed: Web Science & Web Technology, Multimedia Information Systems, Web Technology, Recommender Systems, Information Systems, Marketing Intelligence, Emerging Tools for New Media, Introduction to Knowledge Management
Co-Supervised: **5** PhD Theses, **11** MSc Theses & Projects, **several** BSc Theses

Courses as Instructor (all classes were taught in English language)

2018	**Research Topics in Recommender Systems** at UiB, **Lecturer**
2018	**Information Systems** at UiB, **Lecturer**
2018	**Information Systems Management** at MODUL**, Lecturer**
2017	**Information Systems** at MODUL**, Lecturer**
2017	**Marketing Intelligence** at MODUL**, Lecturer**
2017	**Emerging Tools for New Media and Information Management** at MODUL**, Lecturer**
2017	**Recommender Systems** at TUG, Lecturer
2016	**Web Technology** at TUG, Lecturer
2016	**Recommender Systems** at TUG, Lecturer

2016	**Master Project** at TUG, Lecturer
2016	**Diploma Seminar** at TUG, Lecturer
2015	**Multimedia Information Systems 1** at TUG, Lecturer
2015	**Diploma Seminar** at TUG, Lecturer
2015	**Introduction to Scientific Working** at TUG, Lecturer
2014	**Master Project** at TUG, Lecturer
2014	**Diploma Seminar** at TUG, Lecturer
2014	**Introduction to Scientific Working** at TUG, Lecturer
2014	**Web Science and Web Technology** at TUG, Lecturer
2013	**Introduction to Knowledge Management** at TUG, Lecturer

Courses as Invited Lecturer (all classes were taught in English language)

2015	**Data Mining: "An Introduction to Human Cognition & Recommender Systems"** at NTNU, Norway
2014	**Multimedia Information Systems 1: "Current trends in Social Computing"** at Graz University of Technology
2014	**Evaluation Methodology: "Crowed based evaluation methods"** at TUG, Austria
2014	**Recommender Systems: "Content & Graph-based recommender systems in social tagging systems"** at PUC, Chile
2014	**Introduction to Knowledge Management: "Rule Based Systems"** at Graz University of Technology
2012	**Web Science and Web Technology: "Selected Topics: Tag-Based Navigation"** at TUG, Austria
2011	**Web Science and Web Technology: "Current Research on Tagging Systems"** at TUG, Austria
2011	**Networks Navigability: "Theory and Applications"** at University of Ohrid, Macedonia
2010	**Databases 1: "Introduction to MySql"** at TUG, Austria

Thesis Co-Supervision & Mentoring

2018	Pamina Strobl "Facebook Advertisements for Healthy Eating Promotion" (Supervisor), Master Thesis.
2017	Martin Barth "Applying Community Drift to Time-Aware Recommender Systems" (Co-Supervisor together with Dr Klamma from RWTH Aachen), Master Thesis.
since 2017	Olga Popovits "Social Networks for Human-Food Interactions: Challenges and Opportunities towards Behavior Change" (Co-Supervisor together with Dr Vladimir Tomberg from Tallinn Univ.), Master Thesis.

2017	Dominik Moesslang "Predicting the Popularity of Online Recipes", Master Thesis.
2016	Dominik Moesslang "Understanding and Predicting Consumption Patterns in Online Food Communities", Master Project.
2016	Alexander Oberegger "On the Influence of Weather on the Predictability of Event Participations in Location-Based Social Networks", Master Thesis (Supervisor).
2015	Armin Hutzler "Implementing a Mobile Social Network Application for the Smart Enterprise", Master Project.
2015	Tomasz Kusmierczyk "Temporal Approach to Social Media Mining", PhD Thesis (Advisor, on-going, expected to finish: 2018). Co-Published 2015 two papers in ACM WWW'15.
2015 - 2017	Belgin Mutlu "Recommendations of Visualizations", PhD Thesis (Advisor, on-going, expected to finish: 2018). Co-Published since 2015 three papers in ACM IUI, UMAP and ACM TIIS journal.
2015	Dominik Moesslang "Designing and Implementing a Social Dropbox Application for the Smart Enterprise", Bachelor Thesis.
2013 - 2014	Emanuel Lacic "Social Recommender Systems for Online and Offline Marketplaces in BigData", PhD Thesis (Co-Supervisor, expected to finish: 2017). Co-Published since 2013 fife papers in top-tier conferences, e.g., in ACM WWW'14 or ACM HT'14.
2013 - 2014	Dominik Kowald "Recommending artefacts in social semantic networks", PhD Thesis (Co-Supervisor, expected to finish: 2017). Co-Published since 2013 seven top-tier papers, e.g., in ACM WWW'14, ACM HT'14 or ACM CIKM'13.
2013 – 2014	Lukas Eberhard "Predicting Trading Interactions in Trading, Online and Location-Based Social Networks", Master Thesis (Supervisor). Co-Published a paper at WWW'14 and a Springer Book-Chapter during his Master thesis work.
2013 – 2014	Matthias Rella "A Social User Interface for Sense-Making and Informal Learning in the Healthcare Domain", Master Thesis (Supervisor). Co-Published a paper at EC-TEL'14 during his Master thesis work.
2011 – 2014	Michael Steurer "Exploiting Location-Based Data Sources for Link Prediction in Online Social Networks", PhD Thesis (Mentor).
2011 – 2012	Siegfried Oberhauser "Implementing a scalable ajax-based DHTML File-System-Tree for the Online encyclopedia Austria-Forum", Master Thesis (Co-Supervisor).
2009 – 2010	Wolfgang Puerstner "SectionTagging – A Tagging-System for the online encyclopedia Austria-Forum", Master Thesis (Co-Supervisor).
2009 – 2010	Christoph Portsch "A wiki-based assessment system to create interactive language learning lessons", Master Thesis (Co-Supervisor).

Before 2009	Co-Mentoring of several Bachelors student work.

Honors & Awards

2017	**Annual Best of Computing** in ACM Computing Reviews for our work on "VizRec: recommending personalized visualizations" published in ACM TiiS.
2017	**Best Paper Award Honorable Mention** at the World Wide Web Conference (WWW'17), Perth, Australia.
2014	**Best Poster Award** at the ACM Conference on Hypertext and Social Media (HT'14), Santiago de Chile, Chile.
2013	**Best Paper Award** at the International Conference on Social Eco Informatics (SOTICS'13), Barcelona, Spain.
2013	**Second Best Poster Award** at the ACM Web Science Conference (WebSci'13), Paris, France.
2012	**Best Paper Award** at the International Conference on Knowledge Technologies (I-Know'12), Graz, Austria.
2012	**Douglas Engelbert Best Paper Nomination** at the ACM Conference on Hypertext and Social Media (HT'12), Milwaukee, USA.
2012	**ACM Student Travel Award** to attend the ACM Conference on Hypertext and Social Media (HT'12), Milwaukee, USA.
2011	**Young Scholar Best Paper Award** at the International Conference on Information Technology Interfaces (ITI'11), Cavtat, Croatia.
2010	**SFG & OFG International Travel Award** from the Austrian Science Funds SFG & OFG.

Publications

Published: 2 Books as Editor, **8** Proceedings as Editor, **14** Journal Papers, **8** Book Chapters, **46** Conference Papers, **10** Workshop Papers, **2** Thesis and **2** Newsletters
Honors: 4 Best Paper Awards, **2** Best Poster Awards, **2** Best Paper Nominations, **5** Journal Extension Invitations

Books as Editor

Springer	Atzmueller, M., Chin, A. and **Trattner, C.** (Eds.): *Big Data Analytics in the Social and Ubiquitous Context*, LNAI, Springer, 2016.
Springer	Atzmueller, M., Chin, A. and **Trattner, C.** (Eds.): *Mining, Modeling, and Recommendation in Ubiquitous Social Media*, LNAI, Springer, 2015.

Proceedings as Editor

ACM	Atzmueller, M., Chin, A., **Trattner, C.**, Li, J. and Berkovsky, S. (Eds.): *Proceedings of the 8th International Workshop on Modeling Social Media (MSM'17*) at the 26th ACM World Wide Web Conference WWW'17 conference, Perth, Australia, ACM, 2017.
CEUR-WS	Elsweiler, D., Ludwig, B., Said, A., Schaefer, H. **Trattner, C.** 2017. (Eds.): *Proceedings of the International Workshop on* Health Recommender Systems at the ACM RECSYS'17 Conference, Italy, CEUR-WS, 2017.
ACM	Atzmueller, M., Chin, A. and **Trattner, C.** (Eds.): *Proceedings of the 7th International Workshop on Modeling Social Media (MSM'16*) at the 25th ACM World Wide Web Conference WWW'16 conference, Montreal, Canada, ACM, 2016.
CEUR-WS	**Trattner, C.,** Parra, D., Brusilovsky, P. and Marinho, L. (Eds.): *Proceedings of the International Workshop on Social Personalization and Search (SPS'15)* at the ACM SIGIR 2015 Conference, Santiago, Chile, CEUR-WS, 2015.
ACM	Atzmueller, M., Chin, A. and **Trattner, C.** (Eds.): *Proceedings of the 6th International Workshop on Modeling Social Media (MSM'15)* at the 24th ACM World Wide Web Conference WWW'15 conference, Florence, Italy, ACM, 2015.
CEUR-WS	Cena, F., da Silva, A. and **Trattner, C.** (Eds.): *Hypertext 2014 Extended Proceedings: Late-breaking Results, Doctoral Consortium and Workshop Proceedings* of the 25th ACM Hypertext and Social Media Conference (HT '14), Santiago, Chile, CEUR-WS, 2014.
CEUR-WS	Brusilovsky, P., Marinho, L., Parra, D., Scheihing, E. and **Trattner, C.** (Eds.): *Proceedings of the 1st International Workshop on Social Personalization at the 25th ACM Hypertext and Social Media Conference (HT'14) conference*, Santiago, Chile, CEUR-WS, 2014.
ACM	Atzmueller, M., Chin, A. and **Trattner, C.** (Eds.): *Proceedings of the 5th International Workshop on Modeling Social Media (MSM'14)* at the 23rd ACM World Wide Web Conference WWW'14 conference, Seoul, South Korea, ACM, 2014.
CEUR-WS	Dhakar, D., Brdiczka, O. and **Trattner, C.** (Eds.): *Proceedings of the 1st International Workshop on UMAP Project Synergy* at the 22nd Conference on User Modeling, Adaptation and Personalization (UMAP'14), Aalborg, Denmark, CEUR-WS, 2014.
ACM	Atzmueller, M., Chin, A. and **Trattner, C.** (Eds.): *Proceedings of the 4th International Workshop on Modeling Social Media* at the 25th ACM Hypertext and Social Media Conference (HT'14) conference, Paris, France, ACM, 2013.

Journal papers

JITT	**Trattner, C.,** Oberegger, A., Marinho, L. and Parra, D. 2018. *Investigating the Utility of the Weather Context for Point of Interest Recommendations*. Information Technology & Tourism.
PLOS	**Trattner, C.,** Parra, D. and Elsweiler, D. 2017. *Predicting Obesity Patterns in the US through recipe bookmarks*, PLOS ONE 12(6).
FRONTIERS	**Trattner, C.** and Elsweiler, D. 2017. *Estimating the Healthiness of Internet recipes*, Frontiers in Public Health. Featured in the Austrian News Paper "der Standard" and "Kurier" as well in the German Newspaper "die Mittelbayrische" and "Radio Bayern".
ERCIM	**Trattner, C.,** Kusmierczyk, K.and Norvag, K. 2016. *FOODWEB – Studying Online Food Consumption and production Patterns*, ERCIM NEWS 104 (ERCIM).
SIGIRFORUM	**Trattner, C.,** Parra, D., Brusilovsky, P. and Marinho, L. 2016. *Report on the SIGIR 2015 Workshop on Social Personalization and Search*, SIGIR Forum 49(2) (SIGIRFORUM).
TIIS	Mutlu, B., Veas E. and **Trattner, C.** 2016. VizRec: *Recommending Personalized Visualizations*, ACM Transactions on Interactive Intelligent Systems (TIIS).
COMCOM	Parra, D., **Trattner, C.,** Gomez, M., Hurtado, D., Wen, X. and Lin, Y. 2015. *Twitter in Academic Events: A Study of Temporal Usage, Communication, Sentimental and Topical Patterns in 16 Computer Science Conferences*, Computer Communications (ComCom).
SNAM	**Trattner, C.** and Steurer, M. 2015. *Predicting Partnership in Online and Location-based Social Networks*. Social Network Analysis and Mining (SNAM).
JASIST	Lin, Y., **Trattner, C.,** Brusilovsky, P. and He, D. 2015. *The Impact of Image Descriptions on User Tagging Behavior: A Study of the Nature and Functionality of Crowdsourced Tags*. JASIST.
BJET	Ley, T., Cook, J., Dennerlein, S., Kravcik, M., Kunzmann, C., Pata, K., Purma, J., Sandars, J., Santos, P., Schmidt, A., Al-Smadi, M. and **Trattner, C.** 2014. *Scaling informal learning at the workplace: a model and four designs from a large-scale design-based research effort*. British Journal of Educational Technology (BJET).
IJSHC	**Trattner, C.** and Kappe, F. 2013. Trattner, C. *Social Stream Marketing on Facebook: A Case Study*. International Journal of Social and Humanistic Computing (IJSHC), Volume 2, Issue 1, pp. 86-103.
JUCS	**Trattner, C.,** Helic, D. and Strohmaier, M. 2011. *On the Construction of Efficiently Navigable Tag Clouds Using Knowledge from Structured Web Content*. Journal of Universal Computer Science (JUCS), Volume 17, Issue 4, pp. 565-582.

CIT	**Trattner, C.** 2011. *Improving the Navigability of Tagging Systems with Hierarchically Constructed Resource Lists and Tag Trails*. Journal of Computing and Information Technology (CIT), Volume 19, Issue 3, pp. 155-167.
IJWI	**Trattner, C.** 2011. *Linking Related Content in Web Encyclopedias with search query tag clouds*. International Journal on WWW/Internet (IJWI), Volume 9, Issue 2, pp. 33-50.
IJSCCPS	Helic, D., **Trattner, C.**, Strohmaier, M. and Andrews, K. 2011. *Are Tag Clouds Useful for Navigation? A Network-Theoretic Analysis*. Journal of Social Computing and Cyber-Physical Systems (IJSCCPS), Volume 1, Issue 1, pp. 33-55.

Book Chapters

Springer	**Trattner, C.** and Elsweiler, D. 2018. Food Recommender Systems: Important Contributions, Challenges and Future Research Directions. Collaborative Recommendations: Algorithms, Practical Challenges and Applications, World Scientific Publishing Co. Pte. Ltd.
Springer	**Trattner, C.**, Said, A., Boratto, L. and Felfernig, A. 2018. Evaluating Group Recommender Systems. Group Recommender Systems: An Introduction, Springer.
Springer	**Trattner, C.**, Helic, D. and Strohmaier, M. 2017. *Tag Clouds v2*. Encyclopedia of Social Network Analysis and Mining, Springer.
Springer	Kowald, D., Kopeinik, S., Seitlinger, P., Ley, T., Albert, D. and **Trattner, C.** 2015. *Refining Frequency-Based Tag Reuse Predictions by Means of Time and Semantic Context*. Modeling and Mining Ubiquitous Social Media, Springer.
Springer	Kowald, D., Seitlinger, P., **Trattner, C.** and Ley, T. 2015. *Forgetting the Words but Remembering the Meaning: Modeling Forgetting in a Verbal and Semantic Tag Recommender*. Modeling and Mining Ubiquitous Social Media, Springer.
Springer	Lacic, E., Kowald, D., **Trattner, C.**, Parra, D. and Marinho, L. 2015. *Utilizing Online Social Network and Location-Based Data to Recommend Items in an Online Marketplace*. Modeling and Mining Ubiquitous Social Media, Springer.
Springer	**Trattner, C.**, Helic, D. and Strohmaier, M. 2014. *Tag Clouds v1*. Encyclopedia of Social Network Analysis and Mining, Springer.
Springer	Steurer, M. and **Trattner, C.** 2013. *Who will Interact with Whom? A Case-Study in Second Life using Online and Location-based Social Network Features to Predict Interactions between Users*. In Ubiquitous Social Media Analysis, Lecture Notes in Computer Science, Springer, pp. 108-127.

Conference Papers

ICWSM'18	Rockiki, M.*, **Trattner, C.*** and Herder, E. 2018. (* equal contribution). *The Impact of Recipe Features, Social Cues and Demographics on Estimating the Healthiness of Online Recipes*. In Proceedings of the 12th International AAAI conference on Web and Social Media (ICWSM'18), AAAI.
ICWSM'17	Rockiki, M., Herder, E. and **Trattner, C.** 2017. *How Editorial, Temporal and Social Biases Affect Online Food Popularity and Appreciation*. In Proceedings of the 11th International AAAI conference on Web and Social Media (ICWSM'17), AAAI.
UMAP'17	**Trattner, C.**, Rockiki, M. and Herder, E., 2017. *On the Relations Between Cooking Interests, Hobbies and Nutritional Values of Online Recipes: Implications for Health-Aware Recipe Recommender Systems*. In Proceedings of the 25th International Conference on User Modeling, Adaptation and Personalization (UMAP'17), Springer.
SIGIR'17	Elsweiler, D.*, **Trattner, C.*** and Harvey, M. 2017. (* equal contribution). *Exploiting Food Choice Biases for Healthy Recipe Recommendations*. In Proceedings ACM SIGIR Conference (SIGIR'17), ACM.
HT'17	Mutlu, B.,Veas, E. and **Trattner, C.** 2017. *Tags, Titles or Q&As? Choosing Content Descriptors for Visual Recommender Systems*. In Proceedings of the 28th ACM Conference on Hypertext and Social Media (HT'17), ACM.
DH'17	**Trattner, C.** 2017. *Towards Health (Aware) Recommender Systems*. In Proceedings of the ACM Digital Health Conference (DH'17), ACM.
WWW'17	**Trattner, C.** and Elsweiler, D. 2017. *Estimating the Healthiness of Internet recipes: Implications for Recommender Systems and Meal Planning*. In Proceedings of the World Wide Web Conference (WWW'17), ACM, USA. Best Paper Award Honorable Mention
RECSYS'16	Elsweiler, D., Ludwig, B., Said, A., Schaefer, H. **Trattner, C.** 2016. Engendering Health with Recommender Systems. ACM RecSys 2016, ACM, New York, NY, USA, pp. 409-410.
HT'16	Kusmierczyk, T., **Trattner, C.** and Norvag, K. 2016. *Understanding and Predicting Online Food Production Patterns*. In Proceedings of the 27th ACM Conference on Hypertext and Social Media (HT'16), ACM, New York, NY, USA.
UMAP'16	Rockiki, M., Herder, E., Kusmierczyk, T. and **Trattner, C.** 2016. *Plate and Prejudice: Gender Differences in Online Cooking*. In Proceedings of the 24th International Conference on User Modeling, Adaptation and Personalization (UMAP'16), Springer.
RECSYS'15	Marinho, L., **Trattner, C.** and Parra, D. 2015. *Are Real-World Place Recommender Algorithms Useful in Virtual World Environments?,* In Proceedings of the 9th ACM Conference on Recommender Systems

	(RecSys'15), ACM, New York, NY, USA.
RECSYS'15	Larrain, S., **Trattner, C.**, Parra, D, Graells-Garrido, E. and Norvag, K. 2015. *Good Times Bad Times: A Study on Recency Effects in Collaborative Filtering for Social Tagging*. In Proceedings of the 9th ACM Conference on Recommender Systems (RecSys'15), ACM, New York, NY, USA.
HT'15	Garcia, R., Gomez, D., Parra, D., **Trattner, C.**, Kaltenbrunner, A. and Graells-Garrido, E. 2015. *Language, Twitter and Academic Conferences*. In Proceedings of the 26th ACM Conference on Hypertext and Social Media (HT'15), ACM, New York, NY, USA.
UMAP'15	Mutlu, B., Veas, E., **Trattner, C.** and Sabol, V. 2015. *Towards a Recommender Engine for Personalized Visualizations*. In Proceedings of the 23rd International Conference on User Modeling, Adaptation and Personalization (UMAP'15), Springer, Dublin.
WWW'15	Kusmierczyk, T., **Trattner, C.** and Norvag, K. 2015. *Temporality in Online Food Recipe Consumption and Production*. In Proceedings of the ACM 2015 International Conference on World Wide Web Companion (WWW'15), ACM, New York, NY, USA.
IUI'15	Mutlu, B., Veas, E., **Trattner, C.** and Sabol, V. 2015. *VizRec: A Two-Stage Recommender System for Personalized Visualizations*. In Proceedings of the ACM 2015 International Conference on Intelligent User Interfaces Companion (IUI'15), ACM, New York, NY, USA.
HT'14	Wen, X., Lin, Y., **Trattner, C.** and Parra, D. 2014. *Twitter in Academic Conferences: Usage, Networking and Participation over Time*. In Proceedings of the 25th ACM Conference on Hypertext and Social Media (HT'14), ACM, New York, NY, USA, pp. 285-290.
HT'14	Kowald, D., Lacic, E. and **Trattner, C.** 2014. *TagRec: Towards A Standardized Tag Recommender Benchmarking Framework*. In Proceedings of the 25th ACM Conference on Hypertext and Social Media (HT'14), ACM, New York, NY, USA, pp. 305-307. Best Poster Award
HT'14	Lacic, E., Kowald, D. and **Trattner, C.** 2014. *SocRecM: A Scalable Social Recommender Engine for Online Marketplaces.* In Proceedings of the 25th ACM Conference on Hypertext and Social Media (HT'14), ACM, New York, NY, USA, pp. 308-310.
WWW'14	**Trattner, C.**, Parra, D., Eberhard, L. and Xidao, W. 2014. *Who will Trade with Whom? Predicting Buyer-Seller Interactions in Online Trading Platforms through Social Networks.* In Proceedings of the 23rd ACM Word Wide Web Conference (WWW'14), ACM, Seoul, Korea, pp. 387-388.
WWW'14	Kowald, D., Seitlinger, P., **Trattner, C.** and Ley, T. 2014. *Long Time No See: The Probability of Reusing Tags as a Function of Frequency and Recency.* In Proceedings of the 23rd ACM Word Wide Web Conference (WWW'14), ACM, Seoul, Korea, pp. 463-468. Among the

EC-TEL'14	Dennerlein, S., Rella, M., Tomberg, V., Theiler, D., Treasure-Jones, T., Kerr, M., Ley, L. and **Trattner, C.** 2014. *Making Sense of Bits and Pieces: A Sensemaking Tool for Informal Workplace Learning*. In Proceedings of the 9th European Conference on Technology Enhanced Learning (EC-TEL'14), Springer, Graz, Austria, pp. 391-397.
IUI'14	Parra, D., Brusilovsky, P. and **Trattner, C.** 2014. *See what you want to see: visual user-driven approach for hybrid recommendation*. In Proceedings of the ACM 2014 International Conference on Intelligent User Interfaces (IUI'14), ACM, Haifa, Israel, pp. 235-240.
CSCW'14	Wen, X., Parra, D. and **Trattner, C.** 2014. *How groups of people interact with each other on Twitter during academic conferences*. In Proceedings of the 2014 ACM Conference on Computer Supported Cooperative Work and Social Computing (CSCW'14), ACM, Baltimore, USA, pp. 253-256.
ASONAM'13	Steurer, M. and **Trattner, C.** 2013. *Acquaintance or Partner? Predicting Partnership in Online and Location-based Social Networks*. In Proceedings of the 2013 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM'13), IEEE/ACM, Niagara Falls, Canada, pp. 372-379. Among the Best Papers – Invited for Journal Extension
SOTICS'13	Steurer, M., **Trattner, C.** and Helic, D. 2013. *Predicting Social Interactions from Different Sources of Location-based Knowledge*. In Proceedings of the Third International Conference on Social Eco-Informatics (SOTICS'13), Lisbon, Portugal, pp. 8-13. Best Paper Award – Invited for Journal Extension
I-SEMANTIC'13	Kowald, M., Dennerlein, S., Dieter, T., Walk, S. and **Trattner, C.** 2013. *The Social Semantic Server – A Framework to Provide Services on Social Semantic Network Data*. In Proceedings of the I-Semantics (I-SEMANTICS'13), Graz, Austria, pp. 50-54.
WEBSCI'13	Kraker, P., Jack, K., Schloegl, C., **Trattner, C.**, and Lindstaedt, S. 2013. *Head Start: Improving Academic Literature Search with Overview Visualizations based on Readership Statistics*. In Proceedings of the ACM Web Science Conference (WebSci'13), ACM, New York, NY, USA. Best Poster Award
CIKM'13	Seitinger, P., Kowald, D., Trattner, C. and Ley, T. 2013. *Recommending Tags with a Model of Human Categorization*. In Proceedings of the ACM International Conference on Information and Knowledge Management (CIKM'13), ACM, New York, NY, USA, pp. 2381-2386.
HT'12	**Trattner, C.**, Lin, Y., Parra, D., Yue, Z., Real, W. and Brusilovsky, P. 2012. *Evaluating Tag-Based Information Access in Image Collections*. In Proceedings of the 23rd ACM Conference on Hypertext and Social Media (HT'12), ACM, New York, NY, USA, pp. 113-122. Best

	Paper Nomination
HT'12	Helic, D., Koerner, C., Granitzer, M., Strohmaier, M. and **Trattner, C.** 2012. *Navigational Efficiency of Broad vs. Narrow Folksonomies*. In Proceedings of the 23rd ACM Conference on Hypertext and Social Media (HT'12), ACM, New York, NY, USA, pp. 63-72.
I-KNOW'12	**Trattner, C.**, Singer, P., Helic, D. and Strohmaier, M. 2012. *Exploring Differences and Similarities between Hierarchical Decentralized Search and Human Navigation in Information Networks*. In Proceedings of the 12th International Conference on Knowledge Management and Knowledge Technologies (I-Know'12), ACM, New York, NY, USA. Best Paper Award
ICWI'11	**Trattner, C.** and Kappe, F. 2011. *Social Media Marketing with Facebook: A Case Study*. In Proceedings of the International Conference on WWW/Internet 2011 (ICWI'11), Rio de Janeiro, Brasil, pp. 161-170. Among the Best Papers – Invited for Journal Extension
WWW'11	Helic, D., Strohmaier, M., **Trattner, C.**, Muhr, M. and Lermann, K. 2011. *Pragmatic Evaluation of Folksonomies*. In Proceedings of the 20th international conference on World wide web (WWW'11), ACM, New York, NY, USA, pp. 417-426.
I-KNOW'11	**Trattner, C.**, Koerner, C. and Helic, D. 2011. *Enhancing the Navigability of Social Tagging Systems with Tag Taxonomies*. In Proceedings of the 11th International Conference on Knowledge Management and Knowledge Technologies (I-Know'11). ACM, 7-9 September 2011, Messe Congress Graz, Austria, pp. 18:1-18:8.
ICWE'11	**Trattner, C.** 2011. *NAVTAG – A Network-Theoretic Framework to Assess and Improve the Navigability of Tagging Systems*. In Proceedings of the 11th International Conference on Web Engineering (ICWE'11), Springer, pp. 415-418.
ITI'11	**Trattner, C.** 2011. *Improving the Navigability of Tagging Systems with Hierarchically Constructed Resource Lists: A Comparative Study*. In Proceedings of the 33rd International Conference on Information Technology Interfaces (ITI'11), IEEE, Cavtat / Dubrovnik, Croatia, pp. 173-178. Young Scholar Best Paper Award
ICWI'10	**Trattner, C.** 2010. QueryCloud: *Automatically linking related documents via search query tag clouds*. In Proceedings of the International Conference on WWW/Internet (ICWI'10), Timisoara, Romania, pp. 234-243. Among the Best Papers – Invited for Journal Extension
SOCIALCOM'10	Helic, D., **Trattner, C.**, Strohmaier, M. and Andrews, K. 2010. *On the Navigability of Social Tagging Systems*. In Proceedings of the Second IEEE International Conference on Social Computing (SocialCom'10), Minneapolis, Minnesota, USA, pp. 161-168. Best Paper Nomination – Invited for Journal Extension

I-KNOW'10	**Trattner, C.**, Helic, D. and Strohmaier, M. 2010. *Improving Navigability of Hierarchically Structured Encyclopedias through Effective Tag Cloud Construction*. In Proceedings of the 10th International Conference on Knowledge Management and Knowledge Technologies (I-Know'10), ACM, pp. 363-370. Invited for Journal Extension
ITI'10	**Trattner, C.**, Helic, D. and Maglajlic, S. 2010. *Enriching Tagging Systems with Google Query Tags*. In Proceedings of the 32nd International Conference on Information Technology Interfaces (ITI'10), IEEE, Cavtat / Dubrovnik, Croatia, pp. 205-210.
ED-MEDIA'10	**Trattner, C.**, Helic, D., Korica-Pehserl, P. and Maurer, H. 2010. *Click, Click – and an Educational Presentation is Available on the Web*. In Proceedings of World Conference on Educational Multimedia, Hypermedia and Telecommunications 2010 (ED-Media'10), Chesapeake, VA: AACE, 2010, pp. 3932-3938.
ED-MEDIA'10	Hasani, I., Portsch C., **Trattner, C.**, Kacjan, B., Helic, D. and Maurer, H. 2010. *Using Wiki for Rapid Authoring of Huge Numbers of E-Assessments*. In Proceedings of World Conference on Educational Multimedia, Hypermedia and Telecommunications 2010 (ED-Media'10), Chesapeake, VA: AACE, 2010, pp. 3046-3053.
MINDTREK'10	**Trattner, C.**, Steurer, M., Kappe, F. 2010. *Socializing Virtual Worlds with Facebook – A prototypical Implementation of an Expansion Pack to Communicate Between Facebook and Open Simulator based Virtual Worlds*. In Proceedings of the 14th International Academic Mind-Trek Conference: Envisioning Future Media Environments (Mind-Trek'10). ACM, New York, NY, USA, pp. 158-160.
ITI'10	Maglajlic, S., Helic, D. and **Trattner, C.** 2010. *Social Networks and eLearning: New Model for Learning at Workplace*. In Proceedings of 32nd International Conference on Information Technology Interfaces (ITI'10), IEEE, Cavtat / Dubrovnik, Croatia, pp. 373-378.
WIKISYM'10	**Trattner, C.**, Hasani, I., Helic, D. and Leitner, H. 2010. *The Austrian way of Wiki(pedia)! – Development of a Structured Wiki-based Encyclopedia within a Local Austrian Context*. In Proceedings of the 6th International Symposium on Wikis and Open Collaboration (Wikisym'10), ACM, Gdansk, Poland, pp. 1-10.
ICWI'09	**Trattner, C.** and Helic, D. 2009. *Extending The Basic Tagging Model: Context Aware Tagging*. In Proceedings of the International Conference on WWW/Internet 2009 (ICWI'09), Italy, Rome, pp. 76-83.

Workshop Papers

RECSYS'17	Sahiri, M., Barth, M., Klamma, R. and **Trattner, C.** 2017. *TCNSVD: A Temporal and Community-Aware Recommender Approach*. In Proceedings of the RSTEMP'17 workshop held at RECSYS 2017, ACM, New York, NY.
RECSYS'17	Dominguez, V., Messina, P., Parra, D., Mery, D., **Trattner, C.** and

	Soto, A. 2017. *Comparing Neural and Attractiveness-based Visual Features for Artwork Recommendation*. In Proceedings of the DLRS'17 workshop held at RECSYS 2017, ACM, New York, NY.
WWW'16	Eberhard, L. and **Trattner, C.** 2016. *Recommending Sellers to Buyers in Virtual Marketplaces Leveraging Social Information*. In Proceedings of the 7th International Workshop on Modeling Social Media (MSM'16) held at ACM World Wide Web Conference (WWW 2016), ACM, New York, NY.
RECSYS'16	**Trattner, C.** et al. 2016. *Understanding the Impact of Weather for POI recommender systems*. In Proceedings of the 1st International Workshop on Recommender Systems for Tourism held at ACM Recommender Systems Conference (RECSYS 2016), ACM, New York
WWW'15	Kusmierczyk, T.,**Trattner, C.** and Norvag, K. 2015. *Temporal Patterns in Online Food Innovation*. In Proceedings of the 5th Temporal Web Analytics Workshop (TempWeb'15) held at the ACM World Wide Web Conference (WWW'15), ACM, Florence, Italy.
HT'14	Kowald, D., Lacic, E., Seitlinger P., **Trattner, C.** and Parra, D. 2014. *Recommending Items in Social Tagging Systems Using Tag and Time Information*. In Proceedings of the 1st International Workshop on Social Personalisation (SP'14) held at the 25th ACM Conference on Hypertext and Social Media (HT'14), CEUR-WS, pp. 1:1-1:8.
WWW'14	Lacic, E., Kowald, D., Parra, D., Kahr, M. and **Trattner, C.** 2014. *Towards a Scalable Social Recommender Engine for Online Marketplaces: The Case of Apache Solr*. In Proceedings of the 5th Social Recommender Workshop (SRS'14) held at the ACM Word Wide Web Conference (WWW'14) companion, ACM, Seoul, South Korea, pp. 817-822.
HT'13	Steurer, M. and **Trattner, C.** 2013. *Predicting Interactions In Online Social Networks: An Experiment in Second Life*. In Proceedings of the 4th International Workshop on Modeling Social Media (MSM'13) held at ACM Hypertext 2013 (HT 2013), ACM, New York, NY, USA, pp. 5:1-5:8.
NETGAMES'12	Steurer, M. and **Trattner, C.** 2012. *Success Factors of Events in Virtual Worlds A Case Study in Second Life*. In Proceedings of the 11th Annual Workshop on Network and Systems Support for Games (NetGames'12), ACM/IEEE, pp. 1-2.
HT'09	Helic, D., Us Saeed, A. and **Trattner, C.** 2009. *Creating Dynamic Wiki Pages with Section-Tagging*. In Proceedings of the 1st Workshop on New Forms of Xanalogical Storage and Function (Xana'09) held at ACM Hypertext 2009 (HT'09), pp. 18-22.

Newsletters

ACM	**Trattner, C.**, Kowald, D. and Lacic, E. 2015. *TagRec: A standardized Framework for the assessment of tag and item prediction algorithms*

ACM	*in folksonomies.* ACM SIGWEB Newsletter, Winter Issue 2014, ACM, New York, NY, USA. **Trattner, C.** 2013.*The 24th ACM Conference on Hypertext and Social Media (HT2013): A Personal Review*. ACM SIGWEB Newsletter, Summer Issue 2013, ACM, New York, NY, USA, pp. 1 – 6.

Thesis Papers

Doctoral Thesis	**Trattner, C.** 2012. *On the Navigability of Social Tagging Systems*. Graz University of Technology, Graz, Austria.
Master Thesis	**Trattner, C.** 2009. *From Austria-Forum to the Wiki Concept*. Graz University of Technology, Graz, Austria.

Talks

Note: This list does not include numerous talks held at scientific project- or business-meetings.

10/2017	**Invited Talk at the University of Bergen**, Bergen, Norway Title: Towards Health-Aware Food Recommender Systems
7/2017	**Invited Talk at the University of Haifa**, Haifa, Israel Title: Towards Health-Aware Food Recommender Systems
7/2017	**Invited Keynote Talk at Pontificia Universidad Catolica de Chile**, Santiago, Chile Title: Towards Health-Aware Food Recommender Systems
09/2016	**Paper Presentation at RecTour WS at RecSys'16,** USA Title: Understanding the Impact of Weather for POI Recommender Systems
07/2016	**Invited Talk at MODUL University Vienna,** Austria Title: From Behavioral Analytics to Predictive Modeling on the Web
05/2016	**Invited Talk at University of Southampton,** UK Title: Understanding, Modeling & Changing Food Patterns on the Web
11/2015	**Invited Talk at TU Delft,** Delft Netherlands Title: From Behavioral Analytics to Predictive Modeling on the Web
10/2015	**Invited Talk at University of Bolzano,** Bolzano, Italy Title: Studying Online Food Consumption and Production Patterns: Recent Trends and Challenges
10/2015	**Poster Presentation at** DMRS'15, Bolzano, Italy Title: Biases in Online Food Recipe Production
6/2015	**Poster Presentation at** WWW'15, Florence, Italy Title: Temporality in Online Food Recipe Consumption and Production

1/2015	**Invited Talk at Yahoo!**,Trondheim, Norway Title: Cognitive Models in Recommender Systems
12/2014	**Invited Talk at Graz University of Technology**, Graz, Austria Title: Twitter in Academic Conferences
11/2014	**Invited Talk at University of Ghent**, Ghent, Belgium Title: Social Computing in the area of Big Data
10/2014	**Invited Talk at Norwegian University of Science and Technology**, Trondheim, Norway Title: Social Computing in the area of Big Data
10/2014	**Invited Talk at Yahoo! Labs**, Barcelona, Spain Title: From Search to Predictions in Tagged Information Spaces
9/2014	**Invited Talk at I-Know/EC-TEL'14**, Graz, Austria Title: Towards a BigData Recommender Engine for Online and Of- fline Marketplaces
9/2014	**Invited Talk at Pontificia Universidad Catolica de Chile**, Santiago, Chile Title: Social Computing in the area of Big Data
9/2014	**Paper Presentation at ACM HT'14**, Santiago, Chile Title: Recommending Items in Social Tagging Systems Using Tag and Time Information
4/2014	**Poster Presentation at ACM WWW'14**, Seoul, South Korea Title: Who will trade with Whom: Predicting Seller Buyer Interactions through Social Networks
10/2013	**Paper Presentation at ACM CIKM'13**, San Francisco, USA Title: Recommending Tags with a Model of Human Categorization
10/2013	**Invited Talk at University of Tallinn**, Tallinn, Estonia Title: An open light-weight framework for social-semantic personaliza- tion and recommendation
7/2013	**Invited Talk at Mendeley (Elsevier),** UK Title: Je t'aime. . . moi non plus: reporting on the opportunities, ex- pectations and challenges of a real academic-industrial collaboration
2/2013	**Invited Talk at Hewlett-Packard**, Vienna, Austria Title: Why Social Network Research is Good for You!
9/2012	**Paper Presentation at I-Know'12**, Graz, Austria Title: Pragmatic Evaluation of Concept Hierarchies
6/2012	**Paper Presentation at ACM HT'12,** Milwaukee, USA Title: Evaluating Tag-Based Information Access in Image Collections
11/2011	**Invited Talk at University of Pittsburgh**, Pittsburgh, USA Title: Enhancing the Navigability of Social Tagging Systems
11/2011	**Paper Presentation at ICWI'11**, Rio de Janero, Brazil

	Title: Social Media Marketing with Facebook: A Case Study
9/2011	**Paper Presentation at I-Know'11**, Graz, Austria Title: Enhancing the Navigability of Social Tagging Systems with Tag Taxonomies
8/2011	**Invited talk at University of Ohrid,** Ohrid, Macedonia Title: Networks Navigability: Theory and Applications
7/2011	**Paper Presentation at IEEE ITI'11**, Dubrovnik, Croatia Title: Improving the Navigability of Tagging Systems with Hierarchically Constructed Resource Lists: A Comparative Study
6/2011	**Paper Presentation at ICWE'11**, Phaphos, Cyprus Title: NAVTAG – A Network Theoretic Framework to assess and improve the navigability of tagging systems
10/2010	**Paper Presentation at ICWI'10**, Timisoara, Romania Title: QueryCloud: Automatically linking related Documents via Search Query (Tag) Clouds
7/2010	**Poster Presentation at ICWE'10**, Vienna, Austria Title: Linking Related Documents: Combining Tag Clouds and Search Queries
6/2010	**Paper Presentation at IEEE ITI'10**, Dubrovnik, Croatia Title: Enriching Tagging Systems with Google Query Tags
6/2010	**Paper Presentation at IEEE ITI'10**, Dubrovnik, Croatia Title: SNA and eLearning: New Model for Learning at Workplace

Academic Services

Conference & Workshop Organization

IUI'19	The annual meeting of the intelligent interfaces (IUI'19), Japan. Role: Workshop Co-Chair.
IUI'18	The annual meeting of the intelligent interfaces (IUI'18), Japan. Role: Publicity Co-Chair.
RECSYS'18	The International Conference on Recommender Systems. Role: Poster and Demo Co-Chair.
MSM'18	The 9th International Workshop on Modeling Social Media (MSM'18) at the ACM International Conference on World Wide Web (WWW'18), Australia. Role: Co-Organizer.
MSM'17	The 8th International Workshop on Modeling Social Media (MSM'17) at the ACM International Conference on World Wide Web (WWW'17), Australia. Role: Co-Organizer.
HREC'17	The 2nd International Workshop on Engendering Health with RecSys (at the ACM International Conference on Recommender Systems

(RECSYS'17), Como, Italy. Role: Co-Organizer.

RECSYS'17	The International Conference on Recommender Systems, Como, Italy. Role: Publicity Co-Chair.
SNANDIG'17	The International Workshop on Social Network Analysis and Digital Humanities co-located with i-Know 2017. Role: Co-Organizer.
HREC'16	The 1st International Workshop on Engendering Health with RecSys (at the ACM International Conference on Recommender Systems (RECSYS'16), Boston, US. Role: Co-Organizer.
IUI'16	The 21st annual meeting of the intelligent interfaces (IUI'16), Sonoma, USA. Role: Publicity Co-Chair.
UMAP'16	The 24th International Conference on User Modeling, Adaptation and Personalization (UMAP'16), Canada. Role: Publicity Co-Chair.
HT'16	The 26th ACM International Conference on Hypertext and Social Media (HT'16), Canada. Role: Publicity Co-Chair.
MSM'16	The 7th International Workshop on Modeling Social Media (MSM'15) at the ACM International Conference on World Wide Web (WWW'16), Montreal, Canada. Role: Co-Organizer.
SPS'15	The International Workshop on Social Personalization & Search (SPS'14) at the ACM SIGIR Conference (SIGIR'15), Santiago, Chile. Role: Co-Organizer.
UMAP'15	The 23rd International Conference on User Modeling, Adaptation and Personalization (UMAP'15), Dublin, Ireland. Role: EU & International Projects Track Co-Chair.
HT'15	The 25th ACM International Conference on Hypertext and Social Media (HT'15), Cyprus, Turkey. Role: Doctoral Consortium Co-Chair.
IKNOW'15	The 14th International Conference on Knowledge Management and Knowledge Technologies (I-Know'15), Graz, Austria. Role: Social Computing Track Co-Chair.
MSM'15	The 6th International Workshop on Modeling Social Media (MSM'15) at the ACM International Conference on World Wide Web (WWW'15), Firenze, Italy. Role: Co-Organizer.
HT'14	The 24th ACM International Conference on Hypertext and Social Media (HT'14), Santiago, Chile. Role: Workshops & Tutorials Co-Chair.
SOCIALCOM'14	The 7th ASE International Conference on Social Computing (SOCIALCOM'14), Beijing, China. Role: Publicity Co-Chair.
IKNOW'14	The 14th International Conference on Knowledge Management and Knowledge Technologies (I-Know'14), Graz, Austria. Role: Social Computing Track Co-Chair.
UMAP'14	The 22nd International Conference on User Modeling, Adaptation and Personalization (UMAP'14), Aalborg, Denmark. Role: EU & International Projects Track Co-Chair.

MSM'14	The 5th International Workshop on Modeling Social Media (MSM'14) at the ACM International Conference on World Wide Web (WWW'14), Seoul, South Korea. Role: Co-Organizer.
SP'14	The 1st International Workshop on Social Personalization (SP'14) at the ACM International Conference on Hypertext and Social Media (HT'14), Santiago, Chile. Role: Co-Organizer.
IKNOW'13	The 13th International Conference on Knowledge Management and Knowledge Technologies (I-Know'13), Graz, Austria. Role: Social Computing Track Chair.
SE'13	The 1st International Workshop on the Social Enterprise (SE'13) at Knowledge Management and Knowledge Technologies (I-Know'13), Graz, Austria. Role: Organizer.
MSM'13	The 4th International Workshop on Modeling Social Media (MSM'13) at the ACM International Conference on Hypertext and Social Media (HT'13), Paris, France. Role: Co-Organizer.

Program Committee Memberships

WWW'18	The Web Conference (WWW), 2018 - Health & UM Track.
SIGIR'18	The ACM SIGIR Conference, 2018.
UMAP'18	The International Conference on User Modeling, Adaptation and Personalization, 2018.
HT'18	The ACM Hypertext Conference and Social Media, 2018.
ICWSM'18	The International AAAI Conference on Web and Social Media, 2018.
WEBSCI'18	The International Conference on Web Science, 2018.
IUI'17	22nd ACM International Conference on Intelligent User Interfaces, 2017.
ADBIS'17	The 21st European Conference on Advances in Databases and Information Systems, 2017.
SIGIR'17	The ACM SIGIR Conference, 2017.
LOCWEB'17	The International Workshop on Location and the Web co-located with WWW, 2017.
SNOW'17	Fourth Workshop on Social News on the Web co-located with WWW, 2017.
HT'17	The ACM Hypertext Conference and Social Media, 2017.
HUM'17	1st Holistic User Modeling Workshop co-Located with UMAP 2017.
ECTEL'17	The European Conference on Technology Enhanced Learning, 2017.
INTRS'17	Joint Workshop on Interfaces and Human Decision Making for Recommender Systems co-located with ACM RecSys, 2017.
UMAP'17	The International Conference on User Modeling, Adaptation and Personalization, 2017.

WEBSCI'17	The International Conference on Web Science, 2017.
RECSYS'17	The ACM International Conference on Recommender Systems, 2017.
ICWSM'17	The International AAAI Conference on Web and Social Media, 2017.
CSSWS'16	3rd Computational Social Science Winter Symposium, 2016.
WWW'16	The ACM International Conference on World Wide Web - Web Science Track, 2016.
HT'16	The ACM Hypertext Conference and Social Media, 2016.
RECSYS'16	The ACM International Conference on Recommender Systems, 2016.
ICWSM'16	The International AAAI Conference on Web and Social Media, 2016.
ICWE'16	The International Conference on Web Engineering, 2016.
UMAP'16	The International Conference on User Modeling, Adaptation and Personalization, 2016.
SOCINF'16	International Workshop on Social Influence Analysis co-located with IJCAI, 2016.
WEBSCI'16	The International Conference on Web Science, 2016.
UMAP'15	The International Conference on User Modeling, Adaptation and Personalization, 2015.
RECSYS'15	The ACM International Conference on Recommender Systems, 2015.
ASONAM'15	The IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining, 2015.
WWW'15	The ACM International Conference on World Wide Web - Web Science Track, 2015.
ACMMM'15	The ACM Multimedia Conference, 2015.
ECTEL'15	The European Conference on Technology Enhanced Learning, 2015.
RDSM'15	The International Workshop on Rumors and Deception in Social Media Detection, Tracking, and Visualization co-located with ACM WWW, 2015.
DECAT'15	Workshop on Deep Content Analytics Techniques for Personalized and Intelligent Services co-located with UMAP, 2015.
ICSLE'15	International Conference on Smart Learning Environments, 2015.
INTRS'15	Joint Workshop on Interfaces and Human Decision Making for Recommender Systems co-located with ACM RecSys, 2015.
LOCWEB'15	The International Workshop on Location and the Web co-located with ACM WWW, 2015.
JTEL'15	Joint European Summer School for Technology Enhanced Learning, 2015.
PALE'15	International Workshop on Personalization Approaches in Learning

	Environments co-located with UMAP, 2015.
SOCINF'15	International Workshop on Social Influence Analysis co-located with IJCAI, 2015.
WWW'14	The ACM International Conference on World Web Web - Web Science Track, 2014.
UMAP'14	The International Conference on User Modeling, Adaptation and Personalization, 2014.
HT'14	The ACM Hypertext Conference and Social Media, 2014.
ECTEL'14	The European Conference on Technology Enhanced Learning, 2014.
LinkedUp'14	The LinkedUp Competition co-located with ISCWM, 2014.
LIUD'14	Linking User Data Workshop co-located with UMAP, 2014.
HT'13	The ACM Hypertext Conference and Social Media, 2013.
ECTEL'13	The European Conference on Technology Enhanced Learning, 2013.
RAMSS'13	The International Workshop on Real-Time Analysis and Mining of Social Streams co-located with ACM WWW, 2013.
SNAA'13	The International Workshop on Social Network Analysis in Applications co-located with ACM/IEEE ASONAM, 2013.
HT'12	The ACM Hypertext Conference and Social Media, 2012.
EDMEDIA'12	The World Conference on Educational Multimedia, Hypermedia & Telecommunications, 2012.
ELEARN'12	The World Conference on E-Learning in Corporate, Government, Healthcare & Higher Education, 2012.
EDMEDIA'11	The World Conference on Educational Multimedia, Hypermedia & Telecommunications, 2011.

Reviewing

Journal & Book Reviewing	ACM Transactions on Intelligent Systems and Tech (TIST), ACM ACM Transactions on the Web (TWEB), ACM Journal of Medical Internet Research (JMIR) The Journal of the Association for Information Science and Technology (JASIST), Wiley Journal of Intelligent Information Systems, Springer ACM Transactions on Information Systems (TOIS), ACM Information Processing & Management (IPM), Elsevier Journal of Web Engineering (JWE), Rintonpress ACM Transactions on Internet Technology (TOIT), ACM New Review of Hypermedia and Multimedia, T&F The Journal of Web Science (JWS), NOW WIREs Data Mining and Knowledge Discovery, Wiley Modeling and Mining Ubiquitous Social Media (LNCS), Springer

External Expert Reviewing	External expert reviewer for the Research Foundation Flanders (NOW), BE
	External expert reviewer of grant applications for the Engineering and Physical Sciences Research Council (EPSRC), UK

Boards

Advisory Board	Member of the advisory board for the **H2020 Proposal** "InfraSchool - Design Study for a new infrastructure for educational research", Call: Infradev-1-2014, Budget: $1,100,000, Duration: 24 months.
PhD Examination Board	Member of the examination board for the **Doctorate in Computer Science Engineering** (PhD) of Mr. Simon Dooms. Thesis Title: "Dynamic Generation of Personalized Hybrid Recommender Systems", Ghent, Belgium, 2014.
	Member of the examination board for the **Doctorate in Computer Science** (PhD) of Ms. Martina Deplano. Thesis Title: "The Role of User Experience and Gamification in Computational Social Science", Turino, Italy, 2015.
Editorial Board	Member of the Editorial Advisory Board for the book "Enterprise Big Data Engineering, Analytics, and Management", IGI-Global, 2016.

University Services & Membership

Memberships	PITT PAWS research group (Personalized Adaptive Web Systems), PUC SocVis (Social Computing & Visualization Group), ACM (ACM SIGWEB, ACM SIGIR, ACM SIGCHI)
	Exchange Liaison Officer for incoming and outgoing students at MODUL university; responsible for study plan alignment, ECTS approval, etc. (since 2017)
Univ. Services	University Senate Substitute Member (since 2017)
	Gender & equality consultant (between 2014-2015) at TUG, co-responsible for setting up a strategic plan to establish a meaningful gender & quality policy in science at TUG.

ICT Experience

Java - since 2000	I have been involved in countless academic and industry projects, where I used JAVA as the main programming language to develop research prototypes as well as large-scale products, such as search or recommender engines.

C/C++ - since 1990	I have introduced myself to the C and C++ during high school and was also involved as a professional C/C++ developer and project leader before, during and after my military service in 1998 where I worked for an Austrian start-up to develop SPS applications for companies such as Siemens or Infineon. I have also experience as private teacher and have used the C/C++ programming languages heavily during the time of my PhD to develop a scalable (billions of orders) decentralized search application.
Web Technologies (HTML, JS, CSS, PHP, mySQL) – since 1996	I have introduced myself to the concept of Web programming in 1996 after my student exchange visit to the US, where I was introduced to the concept of the "Web" the first time. Since then, I have implemented countless Web applications using Web technologies such as HTML, CSS, PHP, JS, PERL etc. for myself and friends until I was hired in 1998 by an Austrian start-up, where I professionally started designing and developing Web applications. As of 2000, I worked then as free-lancer in this context to fund my studies at Graz University of Technology. Due to my extensive in this area, I was also offered in 2015 by TUG the opportunity to teach the Web Technology course for the graduate CS program.
R/Python since 2015	Since 2015 I have familiarized myself with the programming languages Python and R. I have used these tools recently extensively to analyze large-scale datasets, to model user behavior and to develop predictive models in that context.
Big Data	I am also familiar with Big Data technologies such as Hadoop, H-base, Apache Solr, Spark, Storm, Pandas, MangoDB, just to name a few. I have used them in various research projects to analyze data on a large scale. Recently I also started to familiarize myself with Deep Learning frameworks such as Google TensorFlow for my research and Jupyter for data sharing and analysis.
Others	I am a LATEX expert and use it for research purposes since 2009. I am also very familiar with stats frameworks such as MatLab or SPSS, the use of MS tools such as Word, Excel, etc. Finally, I am familiar with many other programming languages such as Verilog, SML, PASCAL, ASM which I used in a professional work environment in the past.