



FORSCHUNGSINTERESSEN

Social Computing, Web Science, Science 2.0, Social Network Analysis, Opinion Dynamics, Agent-based Models, Data Mining, Machine Learning

BERUFSERFAHRUNG

| | |
|------------------|--|
| seit 9/2014 | Know-Center GmbH, Area Head of Social Computing, |
| seit 9/2013 | Know-Center GmbH, Deputy Area Head Social Computing |
| 10/2011 - 2/2012 | Universidad Nacional de San Luis, Argentinien, Post-doc |
| seit 2/2007 | Know-Center GmbH, Abteilung Knowledge Relationship Discovery, Mining und Analyse webbasierter Inhalte um Aspekte der Qualitätsinformationen durch Machine Learning zu beurteilen |

AUSBILDUNG

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|------------------|--|
| 3/2008 - 10/2011 | Doktorat an der Fakultät für Informatik, Technische Universität Graz (Abschluss mit Auszeichnung). |
| 3/2005 - 7/2007 | Diplomstudium der Telematik, Technische Universität Graz |

AUSZEICHNUNG

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|---------|---|
| 10/2015 | Demo Honorable Mention Award 15th International Conference on Knowledge Technologies and Data Driven Business (i-KNOW'15) |
| 09/2015 | Special Mention Third Demo Award at the Tenth Conference on Technology Enhanced Learning (EC-TEL'15) |
| 06/2015 | Outstanding Paper Award 15th International Society of Scientometrics and Informetrics Conference (ISSI'15) |
| 12/2012 | Universitätsforschungspreis der Industrie 2012, 2. Platz |
| 9/2010 | „Runner-Up“ bei der ECML/PKDD Discovery Challenge 2010 |
| 5/2010 | SIGWEB Student Travel Award for Hypertext 2010 |

PROJEKTE

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|-----------------|---|
| OpenUP | Ein europäisches H2020 Projekt, in dessen Kontext an neuartigen Methoden geforscht wird um wissenschaftliche Outputs zu bewerten und um diese über traditionelle akademische Kanäle hinaus zugänglich zu machen. |
| AFEL | Ein europäisches H2020 Projekt, in dessen Rahmen neue Methoden und Tools entwickelt werden um informelle und kollektive Lernaktivitäten in sozialen Online Plattformen zu analysieren und zu steuern. http://afel.know-center.tugraz.at |
| LEARNING LAYERS | Ein europäisches FP7 IP Forschungsprojekt mit dem Ziel, skalierbare Technologien für informelles Lernen am Arbeitsplatz zu entwickeln. http://learning-layers.eu |
| MoreGrasp | Ein europäisches H2020 Projekt um ein neues User Interface zu entwickeln, dass eine intuitive Kontrolle von Neuroprothesen ermöglicht. http://www.moregrasp.eu |

AUSGEWÄHLTE PUBLIKATIONEN

1. Kowald, D., Lex, E. The Influence of Frequency, Recency and Semantic Context on the Reuse of Tags in Social Tagging Systems. In Proceedings of the 27th ACM Conference on Hypertext and Hypermedia (HT2016)
2. Lacic, E., Kowald, D., Lex, E. High Enough? Explaining and Predicting Traveler Satisfaction Using Airline Reviews. In Proceedings of the 27th ACM Conference on Hypertext and Hypermedia (HT2016)
3. Peters, I., Kraker, P., Lex, E., Gumpenberger, C., and Gorraiz, J. Research data explored: an extended analysis of citations and altmetrics. *Scientometrics*, 2016.
4. Kowald, D. and Lex, E. Evaluating Tag Recommender Algorithms in Real-World Folksonomies: A Comparative Study. In Proceedings of the 9th ACM Recommender Systems Conference (RecSys 2015)
5. Hasani-Mavriqi, I., Geigl, F., Pujari, S., Lex, E., Helic, D. (2015) Influence of Status on Consensus Building in Collaboration Networks. In Proceedings of the IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM 2015)
6. Seitlinger, P., Kowald, D., Kopeinik, S., Hasani-Mavriqi, I., Ley, T., and Lex, E. (2015) Attention Please! A Hybrid Resource Recommender Mimicking Attention-Interpretation Dynamics. In 24rd International World Wide Web Conference (WWW2015), Web-Science Track, Companion Volume, New York: ACM.
7. Peters, I., Kraker, P., Lex, E., Gumpenberger, C., and Gorraiz, J. (2015) Research Data Explored: Citations versus Altmetrics. In Proceedings of the International Society for Informetrics and Scientometrics – ISSI 2015, 2015 – Outstanding Paper Award
8. Pujari, S., Hadgu, A., Lex, E., Jäschke, R. (2015) Social Activity versus Academic Activity: A Case Study of Computer Scientists on Twitter In Proceedings of the 15th International Conference on Knowledge Technologies and Data-Driven Business (i-KNOW 2015)
9. Lex, E.; Pimas, O.; Simon, J. & Pammer, V., Where am I? Using Mobile Sensor Data to Predict a User's Semantic Place with a Random Forest Algorithm, Proceedings of 9th International Conference on Mobile and Ubiquitous Systems: Computing Networking and Services (MobiQuitous 2012), 2012.
10. Juffinger, A., Granitzer, M., Lex, E. (2009) Blog Credibility Ranking by Exploiting Verified Content., Proceedings of the 3rd Workshop on Information Credibility on the Web at the 18th WWW conference.



RESEARCH INTERESTS

Social Computing, Web Science, Science 2.0, Social Network Analysis,
Opinion Dynamics, Agent-based Models, Data Mining, Machine Learning

JOB EXPERIENCES

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|------------------|---|
| since 9/2014 | Know-Center GmbH, Area Head of Social Computing, |
| since 9/2013 | Know-Center GmbH, Deputy Area Head Social Computing |
| 10/2011 - 2/2012 | Universidad Nacional de San Luis, Argentinien, Post-doc |
| since 2/2007 | Know-Center GmbH, Department Knowledge Relationship Discovery, Mining and analyzing Web-based content to assess information quality facets using Machine Learning |

EDUCATION

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| 3/2008 - 10/2011 | Doctoral Programme at the Faculty of Computer Science, Graz University of Technology. Graduated with distinction. |
| 3/2005 - 7/2007 | Master Programme Telematics, Graz University of Technology. |

AWARDS

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|---------|--|
| 10/2015 | Demo Honorable Mention Award 15th International Conference on Knowledge Technologies and Data Driven Business (i-KNOW'15) |
| 09/2015 | Special Mention Third Demo Award at the Tenth Conference on Technology Enhanced Learning (EC-TEL'15) |
| 06/2015 | Outstanding Paper Award 15th International Society of Scientometrics and Informetrics Conference (ISSI'15) |
| 12/2012 | “Universitätsforschungspreis der Industrie 2012”, 2nd place |
| 9/2010 | Runner Up at ECML/PKDD Discovery Challenge 2010 |
| 5/2010 | SIGWEB Student Travel Award for Hypertext 2010 |

PROJECTS

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|-----------------|--|
| OpenUP | A European H2020 project in which research is being conducted on new methods to evaluate scientific output and to make these accessible beyond traditional cademic channels. |
| AFEL | A European H2020 project in which new methods and tools are being developed to support and analyse informal and collective learning activities in online social platforms. http://afel.know-center.tugraz.at |
| LEARNING LAYERS | A European FP7 IP research project with the aim of developing scalable technologies for informal learning in the workplace. http://learning-layers.eu |
| MoreGrasp | A European H2020 project to develop a new user interface that allows an intuitive control of neuroprostheses. http://www.moregrasp.eu |

SELECTED PUBLICATIONS

1. Kowald, D., Lex, E. The Influence of Frequency, Recency and Semantic Context on the Reuse of Tags in Social Tagging Systems. In Proceedings of the 27th ACM Conference on Hypertext and Hypermedia (HT2016)
2. Lacic, E., Kowald, D., Lex, E. High Enough? Explaining and Predicting Traveler Satisfaction Using Airline Reviews. In Proceedings of the 27th ACM Conference on Hypertext and Hypermedia (HT2016)
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5. Hasani-Mavriqi, I., Geigl, F., Pujari, S., Lex, E., Helic, D. (2015) Influence of Status on Consensus Building in Collaboration Networks. In Proceedings of the IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM 2015)
6. Seitlinger, P., Kowald, D., Kopeinik, S., Hasani-Mavriqi, I., Ley, T., and Lex, E. (2015) Attention Please! A Hybrid Resource Recommender Mimicking Attention-Interpretation Dynamics. In 24rd International World Wide Web Conference (WWW2015), Web-Science Track, Companion Volume, New York: ACM.
7. Peters, I., Kraker, P., Lex, E., Gumpenberger, C., and Gorraiz, J. (2015) Research Data Explored: Citations versus Altmetrics. In Proceedings of the International Society for Informetrics and Scientometrics – ISSI 2015, 2015 – Outstanding Paper Award
8. Pujari, S., Hadgu, A., Lex, E., Jäschke, R. (2015) Social Activity versus Academic Activity: A Case Study of Computer Scientists on Twitter In Proceedings of the 15th International Conference on Knowledge Technologies and Data-Driven Business (i-KNOW 2015)
9. Lex, E.; Pimas, O.; Simon, J. & Pammer, V., Where am I? Using Mobile Sensor Data to Predict a User's Semantic Place with a Random Forest Algorithm, Proceedings of 9th International Conference on Mobile and Ubiquitous Systems: Computing Networking and Services (MobiQuitous 2012), 2012.
10. Juffinger, A., Granitzer, M., Lex, E. (2009) Blog Credibility Ranking by Exploiting Verified Content., Proceedings of the 3rd Workshop on Information Credibility on the Web at the 18th WWW conference.