

CV PROF DR ALBERT WEICHSELBRAUN

1. PERSONAL INFORMATION

Date of birth: 26 November 1975
Citizenship: Austria
Marital status: married, three children
Languages: German, English

University of Applied Sciences of the Grisons
Pulvermühlestrasse 57
CH-7004 Chur
Phone: +41 (0)81 286 3727
E-Mail: albert.weichselbraun@fhgr.ch
ORCID: <https://orcid.org/0000-0001-6399-045X> | Google Scholar: bl4JuZgAAAAJ



2. EDUCATION

December 2010 Habilitation (Venia docendi) in Information Systems at the Vienna University of Economics and Business
June 2004 Doctorate in Business Administration (Dr. rer. soc. oec.) at the Vienna University of Economics and Business
February 2002 Master of Business Administration (Mag. rer. soc. oec.) in Business Administration at the Vienna University of Economics and Business
July 2001 Master in Chemical Engineering (Dipl.-Ing.) at the Vienna University of Technology

3. EMPLOYMENT HISTORY INCLUDING CURRENT POSITION(S)

Aug 2008 – CTO webLyzard technology gmbh
Oct 2011 – Professor of Information Science at the Swiss Institute for Information Science, University of Applied Sciences of the Grisons (FH Graubünden)
Sep 2011 – Sep 2019 Lector at the Institute of Information Business, Vienna University of Economics and Business
Sep 2005 – Aug 2011 Assistant / Associate Professor at the Institute of Information Business, Vienna University of Economics and Business
Sep 2004 – Jun 2005 Research Fellow, University of Western Australia, Business School and School of Computer Science & Software Engineering
Sep 2000 – Jul 2007 Research & Development, ATnet / EUnet GmbH / eTel Austria AG

4. VISITING POSITIONS

Jan 2011 – Feb 2011 Visiting Professor, University of Western Australia, School of Computer Science and Software Engineering
Jan 2010 – Feb 2010 Visiting Academic, University of Western Australia, School of Computer Science and Software Engineering

5. APPROVED RESEARCH PROJECTS (LAST 5 YEARS)

2019- *Development and publication of the Integrity Risks Monitor (IRM)* funded by the KBA-NotaSys Integrity Fund | Volume: 240'188 CHF | Project lead for the Swiss Institute for Information Science | Partners: Swiss Institute for Entrepreneurship (SIFE), Swiss Institute for Information Science (SII)
2018- *MedMon – Monitoring of internet resources for pharmaceutical research and development* funded by the Commission for Technology and Innovation (CTI) | Volume: 881'452 CHF | Project lead for the University of Applied Sciences Chur | Partners: University of Applied Sciences Chur, University of Zurich, F. Hoffmann-La Roche Ltd.
2017-19 *Job-Cockpit – Web analytics, data enrichment and predictive analysis for improved recruitment and career management processes* funded by the Commission for Technology and Innovation (CTI) | Volume: 793'030 CHF | Principal Investigator | Partners: University of Applied Sciences Chur, Matchix AG

- 2016-19 DISCOVER – *Knowledge discovery, extraction and fusion for improved decision making* funded by the Commission for Technology and Innovation (CTI) | Volume: 610'606 CHF | Principal Investigator | Partners: University of Applied Sciences Chur, Venture Valuation VV AG
- 2015-17 IMAGINE – *Cross-modal information extraction for improved image meta data* funded by the Commission for Technology and Innovation (CTI) | Volume: 318'909 CHF | Principal Investigator | Partners: University of Applied Sciences Chur, KEYSTONE AG
- 2014-16 *Radar Media Criticism Analysis Switzerland (Radar Medienkritik Schweiz)* funded by the Swiss National Science Foundation | Volume: 295,000 CHF | Proposal Co-Author & Technical Director | Partners: Zurich University of Applied Sciences, University of Applied Sciences Chur

6. SUPERVISION OF JUNIOR RESEARCHERS AT GRADUATE AND POSTGRADUATE LEVEL (LAST 5 YEARS)

PhDs: ongoing: Philipp Kuntschik; Phillip Ströbel (with Prof. Martin Volk); 2014: Christina Feilmayer (with Prof. Birgit Pröll), Wilhelm Loibl (with Prof. Josef A. Mazanec)

MA-Thesis: 2019: Julia Knuchel, Urban Kalbermatter; 2018: Stefano Monti; 2017: Sven Lenz; 2016: Eva Dohrmann, Fabian Muster, Christoph Weibel; 2015: Nathanael Hofer, Fabian Odoni, Philipp Kuntschik; 2014: Corsin Cabol, Stefan Lütolf, Norman Süsstrunk, Rea Wenk

7. TEACHING ACTIVITIES

University of Applied Sciences Chur: Knowledge Representation, Database Systems, Python Programming, Semantic Technologies

Vienna University of Economics and Administration: Database Systems

8. PROFESSIONAL SERVICE (SELECTION)

Reviewer for Journals and Collections:

ACM Computing Surveys; ACM Transactions on Intelligent Systems and Technology; Electronic Commerce Research and Applications; Future Internet; Information Systems; International Journal of Retail & Distribution Management; Journal of Universal Computer Science; MISQ Quarterly; The Computer Journal; Wilson Wong, Wei Liu, Mohammed Bennamoun: *Ontology Learning and Knowledge Discovery Using the Web: Challenges and Recent Advances*; Arno Scharl, Klaus Tochtermann: *The Geospatial Web*

Reviewer for Scientific Conferences

Annual meeting of the Association for Computer Linguistics (ACL); ACM Conference on Information and Knowledge Management (CIKM); Annual Collaboration, Electronic messaging, Anti-Abuse and Spam Conference (CEAS); International Conference on Cloud & Ubiquitous Computing & Emerging Technologies (CUBE); Conference of the European Chapter of the Association for Computational Linguistics (EACL); Conference on Empirical Methods in Natural Language Processing (EMNLP); Data-Driven Gamification Design workshop (DDGD), Extended Semantic Web Conference (ESWC); International Joint Conferences on Artificial Intelligence (IJCAI); International Conference on Human System Interaction (HSI); International Workshop on Gamification for Information Retrieval (GamifIR); International Workshop on Web Semantics (DEXA-WebS); International World Wide Web Conference (WWW); International Conference on Very Large Data Bases (VLDB) Demo Track; Hawaii International Conference on System Sciences (HICSS); International Conference on Web Engineering (ICWE)

9. AWARDS (LAST 5 YEARS)

- 2016 **Hawaii International Conference on System Sciences (HICSS) 2016 – Best Paper Award**
The publication “Scalable Knowledge Extraction and Visualization for Web Intelligence” has been awarded best paper in the category “Internet and the Digital Economy”.
- 2016 **Information Processing & Management – Best Paper Award – 2015 Honorable Mention**
The article “Analyzing the public discourse on works of fiction – Detection and visualization of emotion in online coverage about HBO’s Game of Thrones” is a “2015 Honorable Mention” of the Information Processing & Management journal’s best paper award
- 2015 **Nominee Webby Awards 2015**
The Climate Resilience Toolkit (toolkit.climate.gov) that applies and extends methods initially developed for the Media Watch on Climate Change was among the nominees for the “Green” category of the Webby Award 2015.

10. RESEARCH OUTPUT OF THE LAST FIVE YEARS

I have published more than 70 **peer-reviewed papers**, including **20 journal publications**. Please refer to <https://weichselbraun.net/publications> for a complete list of publications.

Publications in international peer-reviewed scientific journals

- Scharl, Arno, Herring, David, Rafelsberger, Walter, Hubmann-Haidvogel, Alexander, Kamolov, Ruslan, Fischl, Daniel, Föls, Michael and **Weichselbraun, Albert**. (2017). Semantic Systems and Visual Tools to Support Environmental Communication. *IEEE Systems Journal* 11:762-771.
- **Weichselbraun, Albert**, Gindl, Stefan, Fischer, Fabian, Vakulenko, Svitlana and Scharl, Arno. (2017). Aspect-Based Extraction and Analysis of Affective Knowledge from Social Media Streams. *IEEE Intelligent Systems* 32 80-88.
- Scharl, Arno, Hubmann-Haidvogel, Alexander, Jones, Alistair, Fischl, Daniel, Kamolov, Ruslan, **Weichselbraun, Albert** and Rafelsberger, Walter. (2016). Analyzing the Public Discourse on Works of Fiction – Automatic Emotion Detection in Online Media Coverage about HBO's Game of Thrones. *Information Processing & Management* 52 (1): 129-138.
- **Weichselbraun, Albert**, Streiff, Daniel and Scharl, Arno. (2015). Consolidating Heterogeneous Enterprise Data for Named Entity Linking and Web Intelligence. *International Journal on Artificial Intelligence Tools* 24 (2)

Peer-reviewed conference papers

- **Weichselbraun, Albert**, Kuntschik, Philipp and Brasoveanu, Adrian M.P.. (2019). Name Variants for Improving Entity Discovery and Linking. 2nd Conference on Language, Data and Knowledge (LDK 2019), 14:1-14:5, Leipzig, Germany.
- Odoni, Fabian, Brasoveanu, Adrian M.P., Kuntschik, Philipp and **Weichselbraun, Albert**. (2019). Introducing Orbis: An Extendable Evaluation Pipeline for Named Entity Linking Drill-Down Analysis. 82nd Annual Meeting of The Association for Information Science (ASIS&T 2019), Melbourne, Australia.
- **Weichselbraun, Albert**, Brasoveanu, Adrian M.P., Kuntschik, Philipp and Nixon, Lyndon J.B.. (2019). Improving Named Entity Linking Corpora Quality. Recent Advances in Natural Language Processing (RANLP 2019), Varna, Bulgaria.
- **Weichselbraun, Albert**, Kuntschik, Philipp and Brasoveanu, Adrian M.P. (2018). Mining and Leveraging Background Knowledge for Improving Named Entity Linking. 8th International Conference on Web Intelligence, Mining and Semantics (WIMS 2018), Novi Sad, Serbia.
- Brasoveanu, Adrian M.P., Nixon, Lyndon J.B. and **Weichselbraun, Albert**. (2018). StoryLens: A Multiple Views Corpus for Location and Event Detection. 8th International Conference on Web Intelligence, Mining and Semantics (WIMS 2018), Novi Sad, Serbia.
- Brasoveanu, Adrian M.P., Rizzo, Giuseppe, Kuntschik, Philipp, **Weichselbraun, Albert** and Nixon, Lyndon. (2018). Framing Named Entity Linking Error Types. 11th edition of the Language Resources and Evaluation Conference (LREC 2018), Miyazaki, Japan.
- Odoni, Fabian, Kuntschik, Philipp, Brasoveanu, Adrian M.P., Rizzo, Giuseppe and **Weichselbraun, Albert**. (2018). On the Importance of Drill-Down Analysis for Assessing Gold Standards and Named Entity Linking Performance. Proceedings of the 14th International Conference on Semantic Systems (SEMANTICS 2018), Vienna, Austria.
- Marx, Edgard, Shekarpour, Saeedeh, Soru, Tommaso, Brasoveanu, Adrian M.P., Saleem, Muhammad, Baron, Ciro, **Weichselbraun, Albert**, Lehmann, Jens, Ngomo, Axel-Cyrille Ngonga and Auer, Sören. (2017). Torpedo: Improving the State-of-the-Art RDF Dataset Slicing. 11th International Conference on Semantic Computing (ICSC 2017), San Diego, California, USA.

- **Weichselbraun, Albert** and Kuntschik, Philipp. (2017). Mitigating linked data quality issues in knowledge-intensive information extraction methods. 7th ACM International Conference on Web Intelligence, Mining and Semantics (WIMS 2017), Amantea, Italy.
- **Weichselbraun, Albert**, Scharl, Arno and Gindl, Stefan. (2016). Extracting Opinion Targets from Environmental Web Coverage and Social Media Streams. Proceedings of the 49th Hawaii International Conference on System Sciences (HICSS-49), Kauai, Hawaii.
- Scharl, Arno, **Weichselbraun, Albert**, Göbel, Max, Rafelsberger, Walter and Kamolov, Ruslan. (2016). Scalable Knowledge Extraction and Visualization for Web Intelligence. Proceedings of the 49th Hawaii International Conference on System Sciences (HICSS-49), Kauai, Hawaii.
- Brasoveanu, Adrian M.P., Nixon, Lyndon J.B., **Weichselbraun, Albert** and Scharl, Arno. (2016). A Regional News Corpora for Contextualized Entity Discovery and Linking. 10th Edition of the Language Resources and Evaluation Conference (LREC-2016), 3333-3338, Portorož, Slovenia.
- Vakulenko, Svitlana, **Weichselbraun, Albert** and Scharl, Arno. (2016). Detection of Valid Sentiment-Target Pairs in Online Product Reviews and News Media Coverage. 2016 IEEE/WIC/ACM International Conference on Web Intelligence (WI-2016), 97-104, Omaha, Nebraska, USA.
- **Weichselbraun, Albert** and Süssstrunk, Norman. (2015). Optimizing Dependency Parsing Throughput. Proceedings of the 7th International Conference on Knowledge Discovery and Information Retrieval (KDIR 2015), 511-516, Lisbon, Portugal.

Books, contributions to books

- Dahinden, Urs, **Weichselbraun, Albert**, Schuldt, Karsten, Francolino, Vincenzo, & Odoni, Fabian (2015). Swiss System for Monitoring bibliographic data and Holistic publication behavior analysis" (SYMPHONY): Requirement analysis.: Final report of the project SYMPHONY (142-008) in the swissuniversities program: SUC 2013-2016 P-2: „Scientific information: Access, processing and safeguarding“ Version 1.2 of September 2, 2015.

Oral contributions to international conferences

- **Weichselbraun, Albert** (2019). Capturing, analyzing and visualizing user generated content from social media, 27th Conference on Intelligent Systems for Molecular Biology and the 18th European Conference on Computational Biology; Special Session on Social media mining for drug discovery research: challenges and opportunities of Real World Text, Basel, 24 July 2019
- **Weichselbraun, Albert** (2018). On the convergence of Artificial Intelligence and Big Data - potential, challenges and impact, Keynote: Graubünden forscht 2018, Davos: 19 September 2018
- **Weichselbraun, Albert**, Kuntschik, Philipp, Süssstrunk, Norman, Odoni Fabian, Hörler Sandro and Brasoveanu Adrian M.P. (2018). Optimizing Information Acquisition and Decision Making Processes with Natural Language Processing, Machine Learning & Visual Analytics. Vortrag an der SwissText 2018, Winterthur: 13 June 2018.
- Dahinden, Urs, & **Weichselbraun, Albert** (2015). Welche Rolle spielt Open Access in der Forschungsevaluation?: Resultate vom Projekt SYMPHONY: Swiss system for monitoring bibliographic data and holistic publication behavior analysis: Requirement Analysis. Vortrag an den Open Access Tage Zürich 2015, Zürich: 8 September 2015.