

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: 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. PROFESSIONAL AND ACADEMIC EXPERIENCE

Oct 2022 – Chief Scientist, webLyzard technology gmbh
Oct 2011 – Professor of Information Science at the Swiss Institute for Information Science, University of Applied Sciences of the Grisons
Aug 2008 – Sep 2022 CTO, webLyzard technology gmbh
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. APPROVED RESEARCH PROJECTS (SELECTION)

2021-23 *Internal integrity risk warning system – baseline study* funded by the KBA-NotaSys Integrity Fund | Volume: 190'000 CHF | Project lead for the Swiss Institute for Information Science | Partners: Swiss Institute for Entrepreneurship (SIFE), Swiss Institute for Information Science (SII)
2020-22 *CareerCoach – Automatic Knowledge Extraction and Recommender Systems for Personalized Re- and Upskilling suggestions* funded by Innosuisse | Volume: 977,430 CHF | Principal Investigator | Partners: University of Applied Sciences of the Grisons, x28 AG
2019-20 *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)
2018-20 *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 of the Grisons | Partners: University of Applied Sciences of the Grisons, 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 of the Grisons, 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 of the Grisons, Venture Valuation VV AG
- 2015-17 *IMAGINE – Cross-modal information extraction for improved image metadata* funded by the Commission for Technology and Innovation (CTI) | Volume: 318,909 CHF | Principal Investigator | Partners: University of Applied Sciences Chur, KEYSTONE AG
- 2013-15 *COMET – Cross-media Extraction of Unified High-Quality Marketing Data* funded by the Commission for Technology and Innovation (CTI) | Volume: 483,00 CHF | Principal Investigator | Partners: University of Applied Sciences Chur, Media Focus (joint venture of GfK Switzerland AG & The Nielsen Company Switzerland GmbH)
- 2013-12 *WISDOM – Web Intelligence for Improved Decision Making* funded by the Commission for Technology and Innovation (CTI) | Volume: 577,000 CHF | Principal Investigator | Partners: University of Applied Sciences Chur, Orell Füssli Wirtschaftsinformationen GmbH

5. SUPERVISION OF JUNIOR RESEARCHERS (LAST 5 YEARS)

PhDs: ongoing: Urban Kalbermatter; Philipp Kuntschik

MSc-Thesis: 2023: Natascha Ris, Fabian Introvigne; 2022: Marina Schürmann, Matthias Widler; 2020: Andreas Eigenmann, Stefano Giacomello, Laurin Wegelin, Fabian Wirz; 2019: Julia Knuchel, Urban Kalbermatter; 2018: Stefano Monti

6. SUMMARY OF TEACHING DUTIES, ADMINISTRATIVE ACTIVITIES (LAST 5 YEARS)

Regular courses: Semantic Technologies (Consecutive master); Database systems (Bachelor); Knowledge Engineering & Extraction (Consecutive master); Programming logic (Bachelor)

Administrative activities: Innosuisse Coach of the Department of Applied Future Technologies at the University of Applied Sciences of the Grisons

7. PROFESSIONAL SERVICE (SELECTION)

Reviewer for Journals and Collections:

ACM Computing Surveys; ACM Transactions on Knowledge Discovery from Data; ACM Transactions on Intelligent Systems and Technology; Electronic Commerce Research and Applications; Expert Systems with Applications; Future Internet; Information Systems; International Journal of Information Management Data Insights; International Journal of Retail & Distribution Management; Journal of Ambient Intelligence and Humanized Computing; Journal of Medical Internet Research; Journal of Universal Computer Science; MISQ Quarterly; Nature; Semantic Web Journal; The Computer Journal; A. Scharl, K. 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; Language Resources and Evaluation (LREC); Hawaii International Conference on System Sciences (HICSS); International Conference on Web Engineering (ICWE)

8. MEMBERSHIPS IN ACADEMIC SOCIETIES

Senior Member of the Association for Computing Machinery (ACM)

9. VISITING POSITIONS

Jul 2021 – Aug 2021	Visiting Scholar at the University of Zadar, Department of Information Science, Croatia
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

10. RESEARCH OUTPUT (SELECTION)

I have authored over **90 peer-reviewed papers**, including **27 journal publications**. Please refer to <https://weichselbraun.net/publications> for a complete list of publications.

Publications in international peer-reviewed scientific journals

1. **Weichselbraun, Albert**, Süsstrunk, Norman, Waldvogel, Roger, Glatzl, André, Braşoveanu, Adrian M. P. and Scharl, Arno. (2024). "Anticipating Job Market Demands—A Deep Learning Approach to Determining the Future Readiness of Professional Skills". *Future Internet*, 16(5)
2. Kaplan, Himmet, **Weichselbraun, Albert** and Brasoveanu, Adrian M. P. (2023). "Integrating Economic Theory, Domain Knowledge and Social Knowledge into Hybrid Sentiment Models for Predicting Crude Oil Markets". *Cognitive Computation*, accepted 20 February 2023.
3. **Weichselbraun, Albert**, Waldvogel, Roger, Fraefel, Andreas, van Schie, Alexander and Kuntschik, Philipp. (2022). "Building Knowledge Graphs and Recommender Systems for Suggesting Reskilling and Upskilling Options from the Web". *Information* 13 (11):510
4. **Weichselbraun, Albert**, Steixner, Jakob, Brasoveanu, Adrian M. P., Scharl, Arno, Göbel, Max and Nixon, Lyndon J. B.. (2022). "Automatic Expansion of Domain-Specific Affective Models for Web Intelligence Applications". *Cognitive Computation* 14 (1):228-245
5. **Weichselbraun, Albert**. (2021). "Inscriptis - A Python-based HTML to text conversion library optimized for knowledge extraction from the Web". *Journal of Open Source Software* 6 (66):3557
6. **Weichselbraun, Albert**, Kuntschik, Philipp, Fancolino, Vincenzo, Saner, Mirco and Wyss, Vinzenz. (2021). "Adapting Data-Driven Research to the Fields of Social Sciences and the Humanities". *Future Internet* 13 (3)

Peer-reviewed conference papers

1. Viganó, Eleonora, Hauser, Christian and **Weichselbraun, Albert**. (2024). "Do corporate ethics and compliance (E&C) using AI send a thief to catch a thief? A conceptual framework for navigating AI in corporate E&C and its ethical risks". *Proceedings of the European Conference on Management (EURAM 2024)*, Bath, UK
2. Kaplan, Himmet, Mundani, Ralf-Peter, Rölke, Heiko and **Weichselbraun, Albert**. (2023). "CrudeBERT: Applying Economic Theory towards Fine-Tuning Transformer-based Sentiment Analysis Models to the Crude Oil Market". *25th International Conference on Enterprise Information Systems*, Prague, Czech Republik, Accepted 2 February 2023
3. **Weichselbraun, Albert**, Waldvogel, Roger, Fraefel, Andreas, van Schie, Alexander and Kuntschik, Philipp. (2022). "Slot Filling for Extracting Reskilling and Upskilling Options from the Web". *Natural Language Processing and Information Systems (NLDB 2022)*, Cham
4. **Weichselbraun, Albert**, Brasoveanu, Adrian M. P., Waldvogel, Roger and Odoni, Fabian. (2020). "Harvest - An Open Source Toolkit for Extracting Posts and Post Metadata from Web Forums". *2020 IEEE/WIC/ACM International Joint Conference on Web Intelligence and Intelligent Agent Technology (WI-IAT)*, Melbourne, Australia
5. Brasoveanu, Adrian M. P., **Weichselbraun, Albert** and Nixon, Lyndon J.B.. (2020). "In Media Res: A Corpus for Evaluating Named Entity Linking with Creative Works". *24th Conference on Computational Natural Language Learning (CoNLL 2020)*
6. **Weichselbraun, Albert**, Hörler, Sandro, Hauser, Christian and Havelka, Anina. (2020). "Classifying News Media Coverage for Corruption Risks Management with Deep Learning and Web Intelligence". *10th International Conference on Web Intelligence, Mining and Semantics (WIMS 2020)*, Biarritz, France