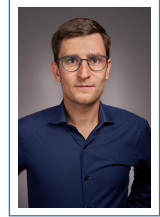


Florian Fahrenbach

Research statement

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Research interests and research focus

My research interests are interdisciplinary and located at the intersection of information systems research and vocational education and training. My doctoral research (under the supervision of Prof. Alexander Kaiser) at WU Vienna employed the design science research methodology to develop an assessment system for professional competences with the goal to support the validation of prior formal, non-formal and informal learning in the Austrian Skilled Crafts and Trades sector. Besides, I am interested in the following research topics:

- Organizational Learning & Knowledge Management (OLKM)
- Design of socio-technical and ICT-based systems to assess learning outcomes in vocational education and training
- Design science research methodology, design thinking, action research
- Validation and recognition of prior formal, non-formal and informal learning (in the context of lifelong learning)
- Design of methods to prioritize human needs

List of Publications

Abbreviations: IF = Impact Factor taken from scimagojr.com; BR = blind review; DBR = Double-blind review; TBR = Triple-blind review

Journal articles under review

Fahrenbach, F. Minor Revision. A design science approach to generate and validate items for the assessment of transversal professional competences. Education + Training. (DBR; IF: 62)

Journal articles

- 2021 **Fahrenbach, F.** Forthcoming. How the validation of prior learning can be used to assess entrepreneurial human capital investments and outcomes. Submitted to European Journal of Training and Development. (DBR; IF: 53)
- 2021 **Fahrenbach, F.**, Luomi-Messerer, K. Forthcoming. Adopting a socio-technical perspective to rethink the use of ICT in VNFIL. European Journal of Training and Development. (DBR; IF: 53)
- 2020 Kragulj, F., **Fahrenbach, F.**, Kaiser, A., Kerschbaum, C., Baumgartner, L. 2020. Revealing the Purpose of a Stakeholder Organisation: The Case of a Public University Responding to the COVID-19 'Corona' Crisis. Journal of Behavioural Economics and Social Systems. (BR)

- 2019 **Fahrenbach, F.**, Kragulj, F. 2019. The Ever-Changing Personality: Revisiting the Concept of Triple-Loop Learning. *The Learning Organization*. 2 (7) (**TBR; IF: 54**)
- 2019 **Fahrenbach, F.**, Revoredo, K., Santoro, F. M. 2019. Valuing Prior Learning: Designing an ICT Artifact to Assess Professional Competences Through Text Mining. *European Journal of Training and Development*. (**BR; IF: 53**)

Contribution to conference proceedings

- 2021 Kaiser, A., **Fahrenbach, F.**, Martinez, H. 2021. Creating Shared Visions in Organizations – Taking an Organizational Learning and Knowledge Management Perspective. In *Proceedings of the 54th Hawaii International Conference on System Sciences*. Hawaii International Conference on System Sciences (HICSS). Honolulu: ScholarSpace University of Hawaii at Manoa. (**DBR; IF: 77**)
- 2020 **Fahrenbach, F.**, Kaiser, A., Schnider, A. 2020. Introducing an Artifact for the Assessment of Transversal Professional Competences. In *Proceedings of the 53rd Hawaii International Conference on System Sciences*. Hawaii International Conference on System Sciences (HICSS), Eds. Tung Bui, pp. 4929-4938. Honolulu: ScholarSpace University of Hawaii at Manoa. (**DBR; IF: 77**)
- 2019 **Fahrenbach, F.**, Kaiser, A., Schnider, A. 2019. A Competency Perspective on the Occupational Network (O* Net). In *Proceedings of the 52nd Hawaii International Conference on System Sciences (HICSS-52)*, Eds. Tung Bui, pp. 5651-5660. Honolulu: ScholarSpace University of Hawaii at Manoa. (**TBR; IF: 77**)
- 2019 **Fahrenbach, F.**, Kaiser, A., Kragulj, F., Kerschbaum, C. 2019. Designing a Tool to Assess Professional Competences: Theoretical Foundations and Potential Applications. In *Proceedings of the 20th European Conference on Knowledge Management*, Eds. Tome, Eduardo; Cesario, Francisco, Soares, Raquel, pp. 328-335. Reading, UK: Academic Conferences and Publishing International Limited. (**BR; IF: 10**)
- 2018 Kragulj, F., **Fahrenbach, F.**, Grisold, T., Kerschbaum, C., Kaiser, A. 2018. Teaching Organizational Learning to Undergraduates: Applying Design Thinking in Problem-Based Learning. In *Proceedings of the ECKM-2018 (19th European Conference on Knowledge Management)*, Eds. Ettore Bolisani, Eleonora Di Maria, Enrico Scarso, pp. 414-422. Reading: Academic Conferences and Publishing International Limited. (**BR; IF: 10**)
- 2018 Kaiser, A., **Fahrenbach, F.**, Kragulj, F., Grisold, T.. 2018. Towards a prioritization of needs to support decision making in organizational change processes. In *Proceedings of the 51st Annual Hawaii International Conference on System Sciences (HICSS-51)*, Eds. Tung Bui, pp. 4390-4399. Waikoloa: IEEE Computer Society Press. (**TBR; IF: 77**)
- 2017 Kaiser, A., **Fahrenbach, F.**, Kragulj, F., Grisold, T. 2017. Developing a knowledge-based vision for a city. In *Proceedings of the ECKM-2017 (18th European Conference on Knowledge Management)*, Eds. Marimon, F., et al., pp. 507-516. Readings: Academic Conferences and Publishing International Limited. (**BR; IF: 10**)
- 2017 Kragulj, F., **Fahrenbach, F.** 2017. From Needs to Satisfiers: How Design Thinking Can Inform Organizational Learning Processes. In *Proceedings of the International Conference Theory and Applications in the Knowledge Economy*, Eds. Eduardo Tomé, Gaby Neumann, Blaženka Knežević, pp. 470-482. Zagreb.
- 2017 Human, S., **Fahrenbach, F.**, Kragulj, F., Savenkov, V. 2017. Ontology for Representing Human Needs. In *Knowledge Engineering and Semantic Web*, Eds. Przemysław Różewski, Christoph Lange, pp. 195-210. Szczecin: Springer.

- 2017 Kaiser, A., Kragulj, F., **Fahrenbach, F.**, Grisold, T., Walser, R. 2017. Using a systems thinking approach to identify needs of an organization in order to enable its transformation. In Cybernetics and Systems, Eds. Sergio Barile, Raul Espejo, Igor Perko and Marialuisa Saviano, Routledge.
- 2016 Kragulj, F., **Fahrenbach, F.** 2016. Investigating the Impact of Need Knowledge on Strategy Development in Organizations. In Proceedings of the ECKM-2016 (17th European Conference on Knowledge Management), Eds. Sandra Moffett and Brendan Galbraith, pp. 485-493. Reading: Academic Conferences and Publishing International Limited. (**BR; IF: 10**)

Paper presented at an academic conference or symposium

- 2020 **Fahrenbach, F.**, Kragulj, F. 2020. Bringing Together Sustainable Development and Responsible Innovation: The Pivotal Role of Human Needs. European Group of Organisational Studies 36th Colloquium, Hamburg, Germany, 01.07-03.07.2020.
- 2019 **Fahrenbach, F.** 2019. Building a bridge between Occupational Information Network and European Qualification Framework: A design science approach to generate and validate items for the assessment of transversal professional competences. Theory and application in the Knowledge Economy, Vienna, Austria, 03.07-05.07.2019.
- 2017 Kaiser, A., Kragulj, F., **Fahrenbach, F.** 2017. Creating a purposeful Organization: Need-driven and Knowledge-based Vision Development Collaborations. Organizational Learning, Knowledge and Capabilities Conference, Valladolid, Spain, 26.04. - 28.04.2017.
- 2017 Kragulj, F., **Fahrenbach, F.** 2017. From Needs to Satisfiers: How Design Thinking Can Inform Organizational Learning Processes. TAKE 2017 - Theory and Applications in the Knowledge Economy Conference, Zagreb, Croatia, 12.07.-14.07.2017.
- 2017 Kaiser, A., Kragulj, F., **Fahrenbach, F.**, Grisold, T. 2017. Towards a prioritization of needs to support decision making in organizational change processes. World Congress of Systems Science and Cybernetics: Science with and for Society: Contributions of Cybernetics and Systems, Rome, Italy, 25.01. - 27.01.2017.
- 2016 **Fahrenbach, F.** 2016. Bewextra Implement: A Method to Prioritize Needs to Facilitate Organizational Learning Processes. MEi:CogSci Conference, Vienna, Austria, 24.06. - 25.06.2016.
- 2016 **Fahrenbach, F.** 2016. How to prioritize need-knowledge in order to inform need-satisfying strategies. International Conference on Knowledge Management, Vienna, Austria, 10.10. - 11.10.2016.

Poster presented at an academic conference or symposium

- 2019 **Fahrenbach, F.** 2019. An institutional perspective on the contribution of the validation of prior learning to human capital formation. European Conference on Knowledge Management, Lisboa, Portugal, 05.09.-06.09.2019.
- 2015 **Fahrenbach, F.** 2015. Enabling Mental Time Travel in Virtual Environments: an Interdisciplinary Approach! MEi:CogSci Conference, Ljubljana, Slovenia, 18.06. - 20.06.2015.

Invited talks

- 2016 Kragulj, F., **Fahrenbach, F.** 2016. Reflecting on Repertory Grid Practice Based on the Example of Investigating the Impact of Need Knowledge on Strategy Development in Organizations. GfWM Knowledge Camp, Fachhochschule Burgenland, Eisenstadt, 21.09.2016

Dissertation

- 2020 **Fahrenbach, F.** 2020. Valuing prior learning: designing an artifact to assess professional competences. The case of Austria. Dissertation, WU Vienna University of Economics and Business.

Master thesis

- 2017 **Fahrenbach, F.** 2017. How to prioritize needs in order to guide profound innovation. Masterthesis, University of Vienna.

Academic service

Reviewing for academic conferences

- 2021 Academy of Management Conference
2021 International Conference on Wirtschaftsinformatik
2021 Hawaii International Conference on Systems Science
2020 Academy of Management Conference
2020 Hawaii International Conference on Systems Science
2019 Business Process Management Conference
2019 Hawaii International Conference on Systems Science
2019 Academy of Management Conference
2018 Academy of Management Conference
2018 Business Process Management Conference
2018 Hawaii International Conference on Systems Science

Ad-hoc reviewing for academic journals

- 2020 - The Learning Organization
2019 - European Journal of Training and Development
2019 - European Journal of Innovation Management

Membership in academic organizations

- 2020 - European Group of Organizational Studies (EGOS)
2016 - Gesellschaft für Wissensmanagement (GFWM)
2021 - International Association for Knowledge Management (IAKM)