Short CV Dr. René Riedl

Since the beginning of his academic career, Dr. Riedl's research focus has been on phenomena related to the development and use of information systems. In the early 2000s, he dealt with the outsourcing of IT services to application service providers as part of his dissertation; today he is primarily concerned with phenomena of digital transformation and human interaction with digital technologies. In the scientific community, Dr. Riedl gained worldwide recognition through his initiatives and research work in the field of Neuro Information Systems (NeuroIS). He has published work in the world's most respected journals in information systems research, including *MIS Quarterly*, *Journal of Management Information Systems*, *Journal of the Association for Information Systems*, and *European Journal of Information Systems*. Moreover, he published several empirical studies in interdisciplinary journals, as well as in neuroscience outlets, such as *PLoS ONE*, *Journal of Neuroscience, Psychology, and Economics*, and *BMC Neurology*. The three main phenomena that he deals with are technostress, trust in the digital world and human decision-making behavior on the Internet and user interfaces with special consideration of user cognition and emotion. He investigates these phenomena with instruments from neuroscience (e.g., functional magnetic resonance imaging, electroencephalography, heart rate and skin conductance measurements as well as hormone assessments) as well as with methods from social, economic and technical sciences (e.g., survey, interview, and clickstream analysis).

Dr. Riedl is one of the co-founders of NeuroIS (the genesis was in 2007), co-conference chair of the NeuroIS Retreat (a worldwide leading academic conference at the nexus of information systems (IS) and neuroscience research, started in 2009), and co-founder of the NeuroIS Society. The NeuroIS Society is the premier academic organization for scientists and professionals working at the nexus of IS and neuroscience research and development. The NeuroIS Society is a non-profit organization and was founded in Vienna (Austria) in 2018 (ZVR-Zahl 1361230816, Public Register of Associations, Austria). The group of founding members consists of top researchers from various scientific disciplines, including IS and computer science, neuroscience and brain research, and psychology. The purpose of the society is to support basic and applied research and systems development in the field of NeuroIS. More information on the board and founding members can be found here: http://www.neurois.org/board-and-founding-members/.

Dr. Riedl also serves as editor and reviewer for several scientific journals. Major positions as **editor** are summarized in the following: 2016-2017, and since 2020: *Journal of the Association for Information Systems* (Senior Editor), since 2016: *Electronic Commerce Research* (Editorial Board Member), 2015-2016: *Information Systems Research* (Associate Editor), 2014-2017: *MIS Quarterly* (Associate Editor), since 2013: *DATA BASE for Advances in Information Systems* (Senior Editor), since 2013: *Business and Information Systems Engineering* (Associate Editor), since 2011: *AIS Transactions on Human-Computer Interaction* (Associate Editor). The list of journals for which Dr. Riedl served as **reviewer** can be found here: http://www.rene-riedl.at/gutachter-bei-fachzeitschriften/. Moreover, Dr. Riedl serves as reviewer for the National Science Foundation (USA), the German Research Foundation, the Research Foundation Flanders (Belgium), and Cambridge University Press.

His research in the main domain of this dissertation program, namely digital stress, is funded by the two most important research funding institutions in Austria: FWF – Austrian Science Fund see https://pf.fwf.ac.at/en/research-in-practice/project-finder/42546) and FFG – Austrian Research Promotion Agency (see https://projekte.ffg.at/projekt/2937572). Moreover, Dr. Riedl is also successful co-applicant in many other projects, such as the MSCA European Training Network "Pioneering the Digital Future for Omnichannel Retail Managers" (Horizon 2020, see http://www.perform-network.eu/).

To date, Dr. has published 21 books and around 175 articles in scientific journals, conference proceedings, and volumes. He is also a regular speaker at international specialist conferences, keynote speaker at practitioners' conferences and various media, including TV, radio, newspaper,

and online portals reported on Dr. Riedl's research. Moreover, Dr. Riedl has received 14 awards in his academic life, including:

- ***Winner of the "paper of the year 2013" at DATA BASE for Advances in Information Systems and nomination for the paper of the year 2013 of the entire Association for Information Systems (AIS):*** Riedl, R.: On the biology of technostress: Literature review and research agenda. DATA BASE for Advances in Information Systems, 44/1, 2013, 18-55. https://doi.org/10.1145/2436239.2436242
- ***Winner of a paper award at the University of Linz for an article published in MIS Quarterly:*** Riedl, R.; Hubert, M.; Kenning, P.: Are there neural gender differences in online trust? An fMRI study on the perceived trustworthiness of eBay offers. *MIS Quarterly*, 34/2, 2010, 397-428. DOI 10.2307/20721434

A full list of all 14 awards can be found here: http://www.rene-riedl.at/auszeichnungen/.

Publications/work lists: List of no more than ten of the most important published or accepted academic publications

- Fischer, T.; Riedl, R.: On the stress potential of an organizational climate of innovation: a survey study in Germany. *Behaviour & Information Technology*, 2020. (accepted for publication) DOI not yet available
- Riedl, R.; Fischer, T.; Léger, P.-M.; Davis, F. D.: A decade of NeuroIS research: progress, challenges, and future directions. *DATA BASE for Advances in Information Systems*, 51/3, 2020, 13-54. https://doi.org/10.1145/3410977.3410980
- Sha, P.; Sariyska, R.; Riedl, R.; Lachmann, B.; Montag, C.: Linking Internet communication and smartphone use disorder by taking a closer look at the Facebook and WhatsApp applications. *Addictive Behaviors Reports*, 9, 2019, 100148. https://doi.org/10.1016/j.abrep.2018.100148
- Adam, M.; Gimpel, H.; Mädche, A.; Riedl, R: Design blueprint for stress-sensitive adaptive enterprise systems. *Business & Information Systems Engineering*, 59, 2017, 277-291. https://doi.org/10.1007/s12599-016-0451-3
- Riedl, R.; Léger, P.-M.: Fundamentals of NeuroIS: Information Systems and the Brain. Springer Verlag, Berlin et al. 2016. https://doi.org/10.1007/978-3-662-45091-8
- Riedl, R.; Davis, F. D.; Hevner, A. R.: Towards a NeuroIS research methodology: intensifying the discussion on methods, tools, and measurement. *Journal of the Association for Information Systems*, 15/10, 2014, 1-35. https://doi.org/10.17705/1jais.00377
- Riedl, R.; Mohr, P.; Kenning, P.; Davis, F. D.; Heekeren, H.: Trusting humans and avatars: a brain imaging study based on evolution theory. *Journal of Management Information Systems*, 30/4, 2014, 83-113. https://doi.org/10.2753/MIS0742-1222300404
- Riedl, R.: On the biology of technostress: Literature review and research agenda. DATA BASE for Advances in Information Systems, 44/1, 2013, 18-55. https://doi.org/10.1145/2436239.2436242
- Riedl, R.; Kindermann, H.; Auinger, A.; Javor, A.: Technostress from a neurobiological perspective: system breakdown increases the stress hormone cortisol in computer users. *Business & Information Systems Engineering*, 4/2, 2012, 61-69. https://doi.org/10.1007/s12599-012-0207-7
- Riedl, R.; Hubert, M.; Kenning, P.: Are there neural gender differences in online trust? An fMRI study on the perceived trustworthiness of eBay offers. *MIS Quarterly*, 34/2, 2010, 397-428. https://doi.org/10.2307/20721434