

List of Publications

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Journal Articles (peer review)

2022

Schmidt, I., **Schauffel, N.** (shared first author), & Ellwart, T. (2022). Uncovering latent profiles of ICT self-concept among adults in Germany and their relation with gender. *Behaviour & Information technology*. Advance online publication. <https://doi.org/10.1080/0144929X.2022.2151937>

Pastra, A., **Schauffel, N.**, Ellwart, T., & Johansson, T. (2022). Building a trust ecosystem for remote inspection technologies in ship hull inspections. *Law, Innovation and Technology*. 14(2), 474-497. <https://doi.org/10.1080/17579961.2022.2113666>

Ellwart, T., **Schauffel, N.** (shared first author), Antoni, C. H., & Timm, I. J. (2022). I vs. robot: Sociodigital self-comparisons in hybrid teams from a theoretical, empirical, and practical perspective. *Gruppe. Interaktion. Organisation. Zeitschrift für Angewandte Organisationspsychologie (GIO)*. 54, 273-284. <https://doi.org/10.1007/s11612-022-00638-5>

Schauffel, N., Kaufmann, L., Rynek, M., & Ellwart, T. (2022). Technostress during COVID-19: Action regulation hindrances and the mediating role of basic human needs among psychology students. *Psychology Learning and Teaching (PLAT)*, 21(3), 235-253. <https://doi.org/10.1177/14757257221102563>

2021

Schauffel, N., Schmidt, I., Peiffer, H., & Ellwart, T. (2021). Self-concept related to information and communication technology: Scale development and validation. *Computers in Human Behavior Reports*, 4, Article 1100149, <https://doi.org/10.1016/j.chbr.2021.100149>

Schauffel, N., & Ellwart, T. (2021). Forced virtuality during COVID-19: A multigroup perspective on technology acceptance of public digital services. *Zeitschrift für Arbeits- und Organisationspsychologie*, 65(4), 244-257. <https://doi.org/10.1026/0932-4089/a000366>

Book Chapters, Scale documentation, E-books

2023

Ellwart, T., & **Schauffel, N.** (2023). Human-autonomy teaming in ship inspection: Psychological perspectives on the collaboration between humans and self-governing systems. In T. M. Johansson, D. Dalaklis, J. Echebarria Fernández, A. Pastra, and M. Lennan (Eds.), *Smart Ports and Robotic Systems. Navigating the Waves of Techno-Regulation and Governance. Studies in National Governance and Emerging Technologies* (pp. 343-362). Palgrave Macmillan. https://doi.org/10.1007/978-3-031-25296-9_18

2022

Schauffel, N., Gründling, J., Ewerz, B., Weyers, B., & Ellwart, T. (2022). Human-robot teams. Spotlight on psychological acceptance factors exemplified within the BUGWRIGHT2 project. *PsychArchives*. <https://doi.org/10.23668/psycharchives.5584>

2021

Ellwart, T., & **Schauffel, N.** (2021). Humans, software agents, and robots in hybrid teams. Effects on work, safety, and health. *PsychArchives*. <http://dx.doi.org/10.23668/psycharchives.5310>

Schauffel, N., Schmidt, I., Peiffer, H., & Ellwart, T. (2021). ICT self-concept scale (ICT-SC25). *Zusammenstellung sozialwissenschaftlicher Items und Skalen (ZIS)*. https://doi.org/10.6102/zis308_exz

Scientific Conferences

2023

Gründling, J. P., **Schauffel, N.**, Oehrl, S., Pape, S., Kuhlen, T. W., Ellwart, T., & Weyers, B. (2023). Example process for designing a hybrid user interface for a multi-Robot system. In *2023 IEEE Conference on Virtual Reality and 3D User Interfaces Abstracts and Workshops (VRW)* (pp. 563–564). IEEE. <https://doi.org/10.1109/VRW58643.2023.00124>

2022

Schauffel, N., Schmidt, I., & Ellwart, T. (2022, September 12-15). *Profile des IKT-Selbstkonzeptes und der Zusammenhang mit dem Geschlecht [Profiles of ICT self-concept and the relation with gender]* [Paper presentation]. 52nd Congress Deutsche Gesellschaft für Psychologie, Hildesheim, Germany.

2021

Ellwart, T., **Schauffel, N.**, Antoni, C. H., Graf, B., Reuter, L., Berndt, J.-O., & Timm, I. J. (2021, March 3-5). *Die Rolle sozio-digitaler Kompetenzvergleiche bei der Akzeptanz hybrider Teams. Theoretische, empirische und praktische Perspektiven [The role of socio-digital competence comparisons in hybrid team acceptance. Theoretical, empirical, and practical perspectives]* [Paper presentation]. 67th Spring Congress Gesellschaft für Arbeitswissenschaft (GfA), Bochum (virtual conference), Germany.

Graf, B., Ellwart, T., **Schauffel, N.**, Müller, R., Antoni, C. H., Timm, I. J., Berndt, J.-O., & Reuter, L. (2021, March 3-5). *Die Bedeutung von Rollen- und Aufgabenwissen für Vertrauen in und Erwartungen an KI-gesteuerte Teammitglieder [The importance of role and task knowledge for trust in and expectations of AI-driven team members]*. [Paper presentation]. 67th Spring Congress Gesellschaft für Arbeitswissenschaft (GfA), Bochum (virtual conference), Germany.

Graf, B., Ellwart, T., **Schauffel, N.**, Müller, R., Antoni, C. H., Timm, I. J., Berndt, J.-O., & Reuter, L. (2021, March). Die Bedeutung von Rollen- und Aufgabenwissen für Vertrauen in und Erwartungen an KI-gesteuerte Teammitglieder [The importance of role and task knowledge for trust in and expectations of AI-driven team members]. *Proceedings of the 67th Spring Congress Gesellschaft für Arbeitswissenschaft (GfA) Arbeit humaine gestalten, Bochum (virtual conference), Germany*.

Schauffel, N., & Ellwart, T. (2021, September 22-24). *Erzwungene Virtualität während COVID-19: Eine Multigruppenperspektive auf die Technologieakzeptanz öffentlicher digitaler Dienste [Forced virtuality during COVID-19: A multigroup perspective on technology acceptance of public digital services]* [Paper presentation]. 12th Fachgruppentagung Arbeits-, Organisations- und Wirtschaftspsychologie, Chemnitz, Germany.

Schauffel, N., Kaufmann, L., Ellwart, T., & Rynek, M. (2021, September 2-3). *Technostress during COVID-19: Action regulation hindrances and the mediating roles of basic human needs among psychology students* [Paper presentation]. ESPLAT 2021 conference on Teaching and Learning Psychology in Times of COVID and Beyond, Heidelberg (virtual conference), Germany.

Posters and Project Presentations

2021

Schauffel, N., & Ellwart, T. (2021, October 6). *Psychological Factors in BugWright2* [Poster presentation]. BugWright2 Stakeholder Meeting, virtual.

2020

Schauffel, N., & Ellwart, T. (2020, January 29-31). *Trier University @ BugWright2. Business Psychology & Human-Computer Interaction* [Poster presentation]. BugWright2 Project Kick-Off. Autonomous Robotic Inspection and Maintenance on Ship hulls, Nantes, France.

Projects

2020-2024 BugWright2. Autonomous Robotic Inspection and Maintenance on Ship hulls

The European Union's Horizon 2020 research and innovation project aims at changing the European landscape of robotics for infrastructure and maintenance (<https://www.bugwright2.eu/>).

2019 - 2021 Onlinewache Rheinland-Pfalz

The cooperative project between Trier University and the State Criminal Police Office of Rhineland-Palatinate, Germany, aims at evaluating the digital police service *Onlinewache* from the perspectives of public users (front-end) and with regard to policy processes (back-end).

2020 Forced Virtuality during COVID-19

The longitudinal research project aimed at monitoring affective, cognitive-motivational, and behavioral reactions of psychology students during COVID-19-induced online teaching.

Teaching

2020-2023 Student Consulting

The master module deepens work psychological knowledge. In cooperation with local business partners, students undergo the phases of psychological consulting from the project conception, and evidence-based method design to the implementation and evaluation of the project, methods, and results. Exemplarily use cases are the development of a competence inventory, an employee or customer survey.
Course language: German

2020-2023 Critical Factors in Human-Robot Teams

As part of the bachelor module *Work and Organizational Psychology*, the seminar is designed to build students' expertise in the field of human-robot teams, technology acceptance, and work motivation theories. Students gain experience in psychological theory, diagnostics, and intervention working on a case study.

Course language: German

2021 Performance and Personality Assessment

As part of the bachelor module *Psychological Diagnostics*, the seminar teaches students practice-related competences for the evaluation and professional use of performance and personality tests in different fields of application of psychology. The application focus is on the planning and practical implementation of the diagnostic process, the evaluation, documentation, and client-oriented feedback of the results. Students reflect on their insights into the role of a test leader and a client.

Course language: German