

Vollständige Publikationsliste

Extension of an Existing VR Memory Training with Haptic Impressions due to a Haptic Vest (2023)

DOI: 10.1515/cdbme-2023-1047 Titel anhand dieser DOI in Citavi-Projekt übernehmen

Conference: : *57th DGBMT Annual Conference on Biomedical Engineering!* (2023).

Authors: **Vanessa Sabina Schmücker**, Rebekka Jakob, Florian Gensing, Rainer Brück, Tanja Joan Eiler

Conception And Implementation of an Virtual Reality application for the evaluation of different types of commercially available haptic gloves (September 2023).

DOI: 10.1515/cdbme-2023-1039

Conference: *57th DGBMT Annual Conference on Biomedical Engineering!* (2023).

Authors: **Vanessa Sabina Schmücker**, Florian Gensing, Rebekka Jakob, Christian Gießler, Rainer Brück, Tanja Joan Eiler

Conception of a Native Connection of Data Gloves with Haptic Feedback to an Augmented Reality-Headset with a planned evaluation in a medical use case (2023)

DOI: 10.1515/cdbme-2023-1018

Conference: *57th DGBMT Annual Conference on Biomedical Engineering!* (2023).

Authors: Christian Giesser, Johannes Schmitt, **Vanessa Sabina Schmücker**, Tanja Joan Eiler, Veit Braun, Rainer Brück

Behavioral Avoidance Test: Comparison between in vivo and virtual reality using questionnaires and psychophysiology (December 2022)

DOI: 10.1109/AIVR56993.2022.00036

Conference: 2022 IEEE International Conference on Artificial Intelligence and Virtual Reality (AIVR)

Authors: **Vanessa Sabina Schmücker**; Florian Gensing; Anne Sophie Hildebrand; Rebekka Jakob; Tanja Joan Eiler, Maria Maleshkova, Tim Klucken, Rainer Brück

Virtual and Augmented Reality for Digital Medicine - Design and Implementation of a Hybrid, Interdisciplinary Course for Engineering and Medical Students (May 2023)

DOI: 10.1109/EDUCON54358.2023.10125163

Conference: 2023 IEEE Global Engineering Education Conference (EDUCON) At: Salmiya, Kuwait

Authors: Tanja Joan Eiler; **Vanessa Sabina Schmücker**; Christian Giesser; Rainer Brück

Augmented Reality Application for Simulation of Mamma Palpation (September 2022) Conference: BMT At: Innsbruck

Authors: Christian Giesser; Annika Steiger; Simon Burbach; Tanja Joan Eiler

Vanessa Sabina Schmücker

Augmented Reality Application for Simulation of Mamma Palpation (September 2022)

Current Directions in Biomedical Engineering 8(2):416-418

DOI: 10.1515/cdbme-2022-1106

Authors: Annika Steiger; Simon Burbach; Tanja Joan Eiler; **Vanessa Sabina Schmücker**; Christian Giesser

Making change tangible. Enhancement of a Virtual Reality Stoma Training with Haptic Feedback (2022)

DOI: <https://doi.org/10.1515/bmt-2022-2001>

Conference: BMT At: Innsbruck

Authors: Florian Gensing; Tanja Joan Eiler; **Vanessa Sabina Schmücker**; Rainer Brück; Maria Maleshkova

Virtual Memory Training with Innovative Haptical Features (2022) DOI:

<https://doi.org/10.1515/bmt-2022-2001>

Conference: BMT At: Innsbruck

Authors: **Vanessa Sabina Schmücker**; Rebekka Jakob; Florian Gensing; Tanja Joan Eiler; Rainer Brück

Behavioural Approach Task - Virtual Reality vs. Reality (2022)

DOI: <https://doi.org/10.1515/bmt-2022-2001>

Conference: BMT At: Innsbruck

Authors: Florian Gensing; **Vanessa Sabina Schmücker**; Tanja Joan Eiler; Rainer Brück; Maria Maleshkova

The Design of an Avatar in a Multiplayer Serious Game (September 2022)// DOI:

10.1515/cdbme-2022-1040 Titel anhand dieser DOI in Citavi-Projekt übernehmen

Authors: Rebekka Jakob; **Vanessa Sabina Schmücker**; Tanja Joan Eiler; Florian Gensing; Rainer Brück

Augmented Reality (AR) und Virtual Reality (VR) in medizinischen Anwendungen - Ein Überblick (May 2022)

Conference: 73. Jahrestagung der Deutschen Gesellschaft für Neurochirurgie At: Köln - DGNC

Authors: Christian Giesser; Veit Braun; Rainer Brück; Tanja Joan Eiler; **Vanessa Sabina Schmücker**

Überregionale telemedizinische Ergänzungsbehandlung für die ländliche Hausarztversorgung - Eine Mixed-Methods Analyse (February 2022)

Zeitschrift für Evidenz Fortbildung und Qualität im Gesundheitswesen 169

DOI: 10.1016/j.zefq.2021.12.008

Authors: Jamie Lee Harder; Philipp Linden; Leonie Jahn; Meryem Aslan; **Vanessa Sabina Schmücker**

Training Application for Ostomy Patients in Virtual Reality (November 2021)

DOI: 10.1109/AIVR52153.2021.00048

Conference: 2021 IEEE International Conference on Artificial Intelligence and

Virtual Reality (AIVR)

Authors: Florian Grensing; Armin Grunewald; Tanja Joan Eiler; **Vanessa Sabina Schmücker**; Christian Giesser; Rainer Brück

EIT-based Gesture Recognition Training with Augmented Reality (November 2021)

DOI: 10.1109/AIVR52153.2021.00044

Conference: 2021 IEEE International Conference on Artificial Intelligence and Virtual Reality (AIVR)

Authors: Christian Giesser; Christian Gibas; Armin Grunewald; Tanja Joan Eiler; **Vanessa Sabina Schmücker**; Rainer Brück

SkillsLab+ - Augmented Reality Enhanced Medical Training (November 2021)

DOI: 10.1109/AIVR52153.2021.00043

Conference: 2021 IEEE International Conference on Artificial Intelligence and Virtual Reality (AIVR)

Authors: Christian Giesser; Julian Knode; Armin Grunewald; Tanja Joan Eiler; **Vanessa Sabina Schmücker**; Rainer Brück

Virtual Reality Training Application to Prepare Medical Student's for Their First Operating Room Experience (November 2021)

DOI: 10.1109/AIVR52153.2021.00045

Conference: 2021 IEEE International Conference on Artificial Intelligence and Virtual Reality (AIVR)

Authors: Armin Grunewald; Ricardo Schmidt; Lukas Sayn; Christian Giesser; Tanja Joan Eiler; **Vanessa Sabina Schmücker**; Veit Braun; Rainer Brück

Improving the Approach-Avoidance Task in Virtual Reality Through Presence and Virtual Risk Situations (November 2021)

DOI: 10.1109/AIVR52153.2021.00041

Conference: 2021 IEEE International Conference on Artificial Intelligence and Virtual Reality (AIVR)

Authors: Tanja Joan Eiler; **Vanessa Sabina Schmücker**; Benjamin Hassler; Alla Machulska; Armin Grunewald; Tim Klucken; Christian Giesser; Rainer Brück

Customizable Memory Training in Virtual Reality with Personal Memoirs (November 2021)

DOI: 10.1109/AIVR52153.2021.00042

Conference: 2021 IEEE International Conference on Artificial Intelligence and Virtual Reality (AIVR) Authors: **Vanessa Sabina Schmücker**; Tanja Joan Eiler;

Armin Grunewald; Simon Forstmeier; Florian Grensing; Christian Giesser; Rainer Brück