

## Dr. Tobias Grundgeiger

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Würzburg: <http://psyergo.uni-wuerzburg.de/startseite/>  
CERG group: [www.itee.uq.edu.au/cerg](http://www.itee.uq.edu.au/cerg)

### Education

<i>Degrees</i>	<i>Field</i>	<i>Institution</i>	<i>Date</i>
Ph.D.	Applied Cognitive Psychology	The University of Queensland	05/2011
Diploma (M.A.)	Cognitive Psychology	Regensburg University	08/2006
Study Program	International Competence	Regensburg University	07/2004
Minor Degree	Business Studies	Regensburg University	06/2004

### Professional and Academic Activities

Since 04/2015	Akademischer Rat [Assistant Professor with permanent position], Julius-Maximilians-Universität, Würzburg, Germany
Since 04/2014	Honorary Research Fellow of The University of Queensland, Brisbane, Australia
11/2012 – 03/2015	Lecturer/Postdoctoral fellow, Julius-Maximilians-Universität, Würzburg, Germany
10/2010 – 10/2012	Lecturer/Postdoctoral fellow, Heinrich-Heine-Universität, Düsseldorf, Germany
02/2007 – 09/2010	PhD student at The University of Queensland, Brisbane, Australia
10/2001 – 06/2006	Degree course Psychology at Regensburg University, Germany (grade 1.0)
02/2005 – 12/2006	Several periods as working student at Siemens AG, Department for User Interface Design, Munich, Germany
10/2003 – 07/2004	Study Program International Competence, University of Regensburg, Germany (grade 1.3)

## Awards and Scholarships

- 06/2016      *Research Award Vogel Stiftung Dr. Eckernkamp* (€ 25,000) awarded by the Universitätsbund Würzburg to Grundgeiger, Wurmb, & Happel for the project “Clinical evaluation and further development of a tablet-based application for in-hospital resuscitation documentation”, Julius-Maximilians-Universität, Würzburg, Germany
- 06/2016      *Research Award of the Faculty of Human Sciences 2016* (€ 1000), Julius-Maximilians-Universität, Würzburg, Germany
- 10/2015      HFES Healthcare Technical Group *Best Student Paper Award* for D. Reinhardt, M. Albert, & A.-K. Kraft who were supervised by T. Grundgeiger. The paper was also selected as finalist for the HFES *Alphonse Chapanis Student Paper Award*.
- 10/2015      *Dieter W. Jahns Student Practitioner Award 2015* of the Foundation for Professional Ergonomics for M. Albert, D. Reinhardt, & A.-K. Kraft, supervised by T. Grundgeiger
- 01/2015      Article ‘Effects of Sleep Deprivation on Prospective Memory’ by Grundgeiger et al. was in the top three most downloaded articles of the journal *Memory* in 2014
- 10/2014      HFES Cognitive Engineering and Decision Making TG 1. Place *Best Student Paper Award* for S. Huber and M. Weng, supervised by T. Grundgeiger and P. Sanderson
- 03/2012      American Psychological Association's Division 21 *George E. Briggs Dissertation Award 2012* in the Field of Applied Experimental Psychology
- 03/2012      The University of Queensland Dean's Award for Research Higher Degree Excellence 2012 (awarded to the top 10% of all PhD thesis per year; total of 580 PhDs in 2011)
- 04/2011      Grundgeiger et al. (2010) has been nominated by the *JEP: Applied* Editorial Team (Editor Rogers, Associate Editors Durso & Morrow) for the International Ergonomics Association (IEA) Liberty Mutual Medal Award in Occupational Safety and Ergonomics
- 10/2010      *SimTecT 2010 Healthcare Simulation* abstract by Grundgeiger et al. included in “TOP 20 abstract” for publication in *Simulation In Healthcare*
- 09/2010      Awarded *Student Member with Honors* of the Human Factors and Ergonomics Society for outstanding achievements and contributions to Human Factors

- 09/2010 Finalist Alphonse Chapanis Student Paper Award at the 54<sup>th</sup> Annual Meeting of the Human Factors and Ergonomics Society.
- 06/2010 HFES-UQ Travel Scholarship, The University of Queensland, Australia (AU \$ 2,500; not accepted due to other funding source)
- 09/2009 Second place "3 minute thesis" competition, Faculty of Social and Behavioural Sciences, The University of Queensland, Australia. Competition about presenting a thesis in 3 minutes. Judging criteria communication style, comprehension, and engagement.
- 01/2008 Awarded best abstract in Anesthesia Education/Information Systems at the Society for Technology in Anesthesia conference (STA2008), San Diego, CA, 16-19 January 2008 (second author)
- 02/2007 – 08/2010 Endeavour International Postgraduate Research Scholarship (IPRS) at The University of Queensland (AU \$ ~105,000)
- 02/2007 – 08/2010 University of Queensland Research Scholarship (UQRS) at The University of Queensland, (AU \$ ~67,000)

### Professional Societies

Deutschen Gesellschaft für Psychologie, DGPs, member since 2011 [The German Psychological Society]

- Bereich Allgemeine Psychologie [Section General Psychology]
- Bereich Arbeits-, Organisations- und Wirtschaftspsychologie [Section Work, Organizational, and Business Psychology]

Member of the *Aktionsbündnis Patientensicherheit e.V.*, member since 2008. [The Coalition for Patient Safety]

Human Factors and Ergonomics Society (HFES), member since 2007

- Aging Technical Group
- Healthcare Technical Group
- Safety Technical Group
- Cognitive Engineering and Decision Making Technical Group

### Reviewing Activities

#### Peer reviews

Healthcare: *Advances in Simulation*, *British Medical Journal*, *British Journal of Anaesthesia*, *BMJ Quality & Safety (Quality and Safety in Healthcare)*, *Journal of Critical Care*, *Journal of Healthcare Engineering*, *Pediatrics*

Cognitive Science: *Applied Cognitive Psychology*, *Applied Ergonomics*, *Current Directions in Psychological Science*, *Human Factors*, *Human Factors and Ergonomics Society Meeting*, *Journal of Gerontology: Psychological Sciences*, *Journal of Experimental Psychology: Applied*, *Memory*, *Psychological Science*

HCI: *CHI Conference on Human Factors in Computing Systems, International Journal of Human-Computer Studies, TEI International Conference on Tangible, Embedded and Embodied Interactions*

**Grant application reviews**

*Deutsche Forschungsgemeinschaft (German National Science Foundation)*

## Teaching

### **Julius-Maximilians-University, Würzburg, Germany (since 2012)**

Human-Computer-Systems Undergraduate Program

*Introduction to Human-Computer-Interaction (Lecture), 3SWS, with Prof. Latoschik*

*Introduction to Human Factors/Ergonomics (Lecture), 2 SWS*

*Special Topics of Psychology for HCS (Lecture + tutorial), 3 SWS*

*Research Methods (Lecture + seminar), 4 SWS*

*Human Factors in safety-critical domains (Seminar), 2 SWS*

*10 x Guidelines (Seminar), 2 SWS*

Human-Computer-Interaction Master Program

*Human-Computer-Interaction Theories (Seminar), 2 SWS*

*Work & Organisational Psychology (Seminar), 2 SWS, with Prof. Hurtienne*

*Joint Cognitive Systems (Seminar), 2 SWS*

*Eye-tracking: Method and application (Seminar), 2 SWS*

*Software in Organizations (Seminar), 2 SWS*

### **Heinrich-Heine University, Düsseldorf, Germany (2010-2012)**

Psychology Undergraduate Program

*Experimental Research I & II (Seminar), each 2 SWS*

*Research Methods (Seminar), 2 SWS*

Psychology Master Program

*Quantitative Research Methods: Evaluation (Lecture), 2 SWS, with Prof. Bayen*

### **The University of Queensland, Brisbane, Australia (2007-2010)**

Psychology Undergraduate Program

*PSYC 1020, Introduction to Psychology: Physiological and Cognitive Psychology (Tutorial), 2 SWS*

Master of Human Factors Online Program

*HUFA 7012, Human Factors in Medicine (Health Care)*

## Research Grants

### Research Grants (Germany)

<b>Sponsor</b>	<b>Dates</b>	<b>Investigator Names and Title of Project</b>	<b>Amount (Euro)</b>
Universitätsbund Würzburg's <i>Research Award Vogel Stiftung Dr. Eckernkamp</i> , Julius-Maximilians-Universität, Würzburg, Germany	06/2016-12/2017	GRUNDGEIGER, Wurmb, & Happel, "Clinical evaluation and further development of a tablet-based application for in-hospital resuscitation documentation"	€ 25,000
Human Dynamics Centre of the Faculty of Human Sciences Start-up grant, Julius-Maximilians-University Würzburg, Germany	05/2015-09/2015	Hurtienne & GRUNDGEIGER, "Commission errors & Prospective memory"	€ 12,000
Deutsche Forschungsgemeinschaft (German National Science Foundation)	05/2013-04/2015	GRUNDGEIGER, grant ID GR 3970/1-1, "Delaying execution of intentions: What mechanisms cause forgetting or prevent forgetting"	€ 87,072
Heinrich-Heine-University Düsseldorf, Germany, Strategic Research Funding	02/2012-09/2012	GRUNDGEIGER, "The effect of sleep deprivation on the remembering of future intentions"	€ 7,966

### Research Grants (Australia)

<b>Sponsor</b>	<b>Dates</b>	<b>Investigator Names and Title of Project</b>	<b>Amount (AUD\$)</b>
Australian Research Council, ARC	01/2014-01/2018	Sanderson, Aitken, Dekker, Venkatesh, GRUNDGEIGER, & Liu "Interruptions, work coordination, and resilience" grant ID DP140101821	\$ 489,000
ITEE Strategic Research Funding, School of Information Technology and Electrical Engineering (ITEE), The University of Queensland, Brisbane, Australia	01/2012	Sanderson, Venkatesh, Liu, & GRUNDGEIGER, "User-initiated portable reminder cues for healthcare and elsewhere"	\$ 20,000
National Health and Medical Research Council grant administered by Centre of Research and Excellence in Patient Safety, Monash University, Melbourne, Australia	01/2007-01/2010	Sanderson & GRUNDGEIGER, subproject on NHMRC grant ID 264643, "Managing interruptions and distractions in anaesthesia practice"	\$ 84,000

## Extracurricular Activities

- Since 01/2015 Member of the ethics committee of the Institute Human-Computer-Media, Julius-Maximilians-Universität Würzburg
- Since 2013 Assisting to organize the World Usability Day in Würzburg
- 10/13 – 09/15 Mitglied des Prüfungsausschusses Mensch-Computer-Systeme (B.Sc.) und Human-Computer-Interaction (M.Sc.), Julius-Maximilians-Universität Würzburg [Member of the examination committee for Human-Computer-System (B.Sc.) and HCI (M.Sc.)]
- 10/13 – 09/15 Fachstudienberatung Mensch-Computer-Systeme (B.Sc.) und Human-Computer-Interaction (M.Sc.), Julius-Maximilians-Universität Würzburg [Student Advisor for Human-Computer-System (B.Sc.) and HCI (M.Sc.)]
- 10/13 – 09/15 Mitglied der Eignungskommission für die Bewerbung zum Master Human-Computer-Interaction (M.Sc.), Julius-Maximilians-Universität Würzburg [Member of Eignungskommission for Human-Computer-System (B.Sc.) and HCI (M.Sc.)]
- 02/2012 Basismodul “Professionelle Lehrkompetenz für die Hochschule” der Hochschuldidaktik in NRW, 80 Arbeitseinheiten à 45 Min. [Basic module “Professional university didactic for university”, 80 work units each 45 min]
- 09/2011 – 10/2012 Fachstudienberatung [Student Advisor] Master of Science Psychology, Heinrich Heine Universität Düsseldorf
- 04/2009 – 04/2010 Founding President of the Human Factors Ergonomics Society Student Chapter at The University of Queensland

## Publications

\*indicates Bachelor or Master student co-author

+indicates PhD student co-author

### Submitted/under review

1. Schaper, P.<sup>+</sup>, & GRUNDGEIGER, T. (submitted). Commission errors with forced response lag. *Quarterly Journal of Experimental Psychology*.
2. Schaper, P.<sup>+</sup>, & GRUNDGEIGER, T. (revised & resubmitted). The effect of different distractions on remembering delayed intentions. *Memory*.

## Peer reviewed journals

1. GRUNDGEIGER, T., Klöffel, C., Mohme, S., Wurm, T. &, Happel, O. (2017). An investigation into the effects of real vs. stimulated cases and level of experience on the distribution of visual attention during induction of general anaesthesia. *Anaesthesia*. doi: 10.1111/anae.13821
2. Weng, M.\* , Huber, S.\* , GRUNDGEIGER, T., & Sanderson, P. (2017). The effect of visual cues on interruption management. *International Journal of Human-Computer Studies*. doi:10.1016/j.ijhcs.2017.02.002
3. GRUNDGEIGER, T., Albert, M.\* , Reinhardt, R. \* , Happel, O., Steinisch, M., & Wurmb, T. (2016). Real-time table-based resuscitation documentation by the team lead: Evaluating documentation quality and clinical performance. *Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine*, 24(1), 1-7.
4. Schaper, P.\* , & GRUNDGEIGER, T. (2016). Commission errors in delay-execute prospective memory tasks. *Quarterly Journal of Experimental Psychology*. 7, 1-16.
5. GRUNDGEIGER, T., Dekker, S., Sanderson, P., Liu, D., Brecknell, B., & Aitken, L. M. (2016). Obstacles to research on the effects of interruptions in healthcare. *BMJ Quality and Safety*, 25(6), 392-395.
6. GRUNDGEIGER, T., Kolb, L.\* , Korb, M.O.\* , Mengelkamp. C., & Held, V. (2015). Training students to use syringe pumps: An experimental comparison of e-learning and classroom training. *Biomedical Engineering/Biomedizinische Technik*. 61(2), 211–220.
7. GRUNDGEIGER, T., Roewer, R., Grundgeiger, J., Hurtienne, J. &, Happel, O. (2015). Body posture during simulated tracheal intubation: Video laryngoscopy causes a more ergonomic posture than direct laryngoscopy for experts and novices. *Anaesthesia*, 70 (12), 1375-81.
8. Sanderson, P., & GRUNDGEIGER, T. (2015). How do interruptions affect clinician performance in healthcare? Negotiating fidelity, control, and potential generalizability in the search for answers. *International Journal of Human-Computer Studies*, 79, 85-96.
9. GRUNDGEIGER, T., Harris, B., Ford, N., Sanderson, P., & Venkatesh, B. (2014). Emergency medical equipment storage: Benefits of visual cues tested in field and simulated settings. *Human Factors*, 56(5), 958-972.
10. GRUNDGEIGER, T., Sanderson, P., & Dismukes, R. K. (2014). Prospective memory in complex sociotechnical systems. *Zeitschrift für Psychologie*. 222(2), 100-109.
11. GRUNDGEIGER, T. (2014). Noncompetitive retrieval practice causes retrieval-induced forgetting in cued recall but not in recognition. *Memory & Cognition*, 42(3), 400-408.

12. GRUNDGEIGER, T., Bayen, U. J., & Horn, S. (2014). Effects of sleep deprivation on prospective memory. *Memory*, 22(6), 679-686.
13. GRUNDGEIGER, T., Sanderson, P. M., Beltran Orihuela, C., Thompson, A., MacDougall, H. G., Nunnink, L., & Venkatesh, B. (2013). Remembering future Tasks in the ICU: The effect of visual cues on task execution in a representative simulation. *Ergonomics*, 56(4), 579-589.
14. Bayen, U. J., Dogangun, A., GRUNDGEIGER, T., Haese, A., Stockmanns, G., & Ziegler, J. (2013). Evaluating the effectiveness of a memory aid system. *Gerontology*, 59(1), 77-84.
15. GRUNDGEIGER, T., Sanderson, P.M., Venkatesh, B., & MacDougall, H. (2010). Interruption management in the intensive care unit: Predicting resumption times and assessing distributed support. *Journal of Experimental Psychology: Applied*. 16(4), 317–334.
16. GRUNDGEIGER, T., & Sanderson, P. (2009). Interruptions in healthcare: Theoretical views. *International Journal of Medical Informatics*, 78, 293-307.
17. Liu, D., GRUNDGEIGER, T., & Sanderson, P., Jenkins, S., & Leane, T. (2009). Interruptions and blood transfusion checks: Lessons from the simulated operating room. *Anesthesia and Analgesia*, 108(1), 219-222.
18. Aslan, A., Bäuml, K.-H., & GRUNDGEIGER, T. (2007). The role of inhibitory processes in part-list cuing. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 33(2), 335-341.

### **Refereed conference papers**

1. GRUNDGEIGER, T., Pichen, J.\* , Häfner, J.\* , Sperlich, B., & Löffler, D. (2017). Combating sedentary lifestyle: A distributed prospective memory approach. Proceedings of the SIGCHI Conference on Human Factors in Computing Systems 2017, Denver, CO: May 6-13 2017. <http://dx.doi.org/10.1145/3027063.3053094>
2. GRUNDGEIGER, T., Hester, J., Held, V., & Hurtienne, J. (2017). Beyond knowledge acquisition: Medical device training as a cooperative process. CSCW '17: Computer Supported Cooperative Work and Social Computing Companion Proceedings. <http://dx.doi.org/10.1145/3022198.3026315>
3. GRUNDGEIGER, T., Klöffel, C.\* , Mohme, S.\* , Wurmb, T., & Happel, O. (2016). Eye tracking in anesthesiology: A preliminary analysis of the effect of the environment (simulated vs. real) on visual attention. Proceedings of the 60<sup>th</sup> Annual Meeting of the Human Factors and Ergonomics Society, Washington DC, September 19–23, 2016.



4. Schlosser, P.\*, Sanderson, P. M., GRUNDGEIGER, T., Loeb, R., & Liu, D. (2016). The effect of conventional screens vs. head-mounted displays on alarm monitoring strategies. *Proceedings of the 60<sup>th</sup> Annual Meeting of the Human Factors and Ergonomics Society*, Washington DC, September 19–23, 2016.
5. GRUNDGEIGER, T., Wurmb, T., & Happel, O. (2015). Eye tracking in anesthesiology: Literature review, methodological issues, and research topics. *Proceedings of the 59<sup>th</sup> Annual Meeting of the Human Factors and Ergonomics Society*. Los Angeles, CA: October 26–30, 2015.
6. Reinhardt, D.\*, Kraft, A-K.\*, Albert, M.\*, GRUNDGEIGER, T., Happel, O., Steinisch, A., & Wurmb, T. (2015). Development and formative evaluation of the DoRea App for real-time resuscitation documentation. *Proceedings of the 59<sup>th</sup> Annual Meeting of the Human Factors and Ergonomics Society*. Los Angeles, CA: October 26–30, 2015. **[Dieter W. Jahns Student Practitioner Award 2015 of the Foundation for Professional Ergonomics, Best Student Paper Award of the HFES Healthcare Technical Group, Finalist HFES Alphonse Chapanis Student Paper Award]**
7. Huber, S.\*, Weng, M.\*, GRUNDGEIGER, T., & Sanderson, P. (2014). The effect of visual cues on how people handle interruptions. *Proceedings of the 58<sup>th</sup> Annual Meeting of the Human Factors and Ergonomics Society*. Chicago, IL: 27 - 31 October. **[Won HFES Cognitive Engineering and Decision Making TG Best Student Paper Award]**
8. GRUNDGEIGER, T., Scharf, M., Grundgeiger, J., & Scheuchenpflug, R. (2014). Manual distractions of ambulance drivers: Light-and-siren vs. non-light-and-siren travel. *Proceedings of the 58<sup>th</sup> Annual Meeting of the Human Factors and Ergonomics Society*. Chicago, IL: 27 - 31 October.
9. GRUNDGEIGER, T., Happel, O., Grundgeiger, J., & Roewer, R. (2014). Body posture during simulated tracheal intubation: Comparison of the effects of video laryngoscopy and direct laryngoscopy. *Proceedings of the 58<sup>th</sup> Annual Meeting of the Human Factors and Ergonomics Society*. Chicago, IL: 27 - 31 October.
10. Harris, B., Ford, N., GRUNDGEIGER, T., Sanderson, P., & Venkatesh, B. (2013). Evaluating the redesign of an ICU bedside emergency equipment drawer. *Proceedings of the 57<sup>th</sup> Annual Meeting of the Human Factors and Ergonomics Society*. San Diego, CA: 30 September-4 October.

11. GRUNDGEIGER, T., Sanderson, P., Beltran Orihuela, C., Thompson, A., McDougall, H., Nunnink, L., & Venkatesh, B. (2010). Distractions and interruptions in the intensive care unit: A field observation and a simulator experiment. *Proceedings of the 54<sup>th</sup> Annual Meeting of the Human Factors and Ergonomics Society*. San Francisco, CA: 27 September - 1 October. **[Finalist for Alphonse Chapanis Student Paper Award]**
12. GRUNDGEIGER, T., Sanderson, P. M., MacDougall, H. G., & Venkatesh, B. (2009). Distributed prospective memory: An approach to understanding how nurses remember tasks. *Proceedings of the 53<sup>rd</sup> Annual Meeting of the Human Factors and Ergonomics Society*. San Antonio, TX: 19-23 October.
13. GRUNDGEIGER, T., Sanderson, P. M., MacDougall, H. G., & Venkatesh, B. (2009). How nurses overcome interruptions: an analysis of distributed support. *Proceedings of the 17<sup>th</sup> Triennial Congress of the International Ergonomics Association (IEA2009)*. Beijing, PRC: 9-14 August 2009.
14. GRUNDGEIGER, T., Sanderson, P., Jenkins, S., & Leane, T. (2008). Effects of interruptions on prospective memory performance in anesthesiology. *Proceedings of the 52<sup>nd</sup> Annual Meeting of the Human Factors and Ergonomics Society*. New York, NY: 22-26 September 2008.

#### **Conference abstracts and posters**

1. GRUNDGEIGER, T., Wurmb, T., & Happel, O. (2017). Experience of a Human Factor – Medical Collaboration: The Development, Evaluation, and Implementation of an Application to Support In-Hospital Resuscitation Teams. Presentation at the 2017 International Symposium on Human Factors and Ergonomics in Health Care, March 5–8, New Orleans, Louisiana.
2. Schaper, P.<sup>+</sup>, & GRUNDGEIGER, T. (2017). The role of response suppression in commission errors. Accepted at the 20<sup>th</sup> European Society for Cognitive Psychology (ESCoP) Conference, September 3-6, Potsdam.
3. Wurmb, T., Huber, S., GRUNDGEIGER, T., Reinhardt, D., Steinisch, A., & Happel, O. (2017). "Cognitive Aid" und Echtzeit-Dokumentation bei innerklinischen Reanimationen: Weiterentwicklung einer Tablet-PC basierten „App“. Presentation at the *Wissenschaftliche Arbeitstage Notfallmedizin (WATN) 2017*, 12.-13.02.17, Kiel.
4. Schaper, P.<sup>+</sup>, & GRUNDGEIGER, T. (2017). I should have stopped – Investigating the role of response suppression in commission errors. Accepted for the Beiträge zur 59.Tagung experimentell arbeitender Psychologen, March 26-29, Dresden.

5. Löffler, L., Wallmann-Sperlich, B., Wan, J., Knött, J., Vogel, A., & GRUNDGEIGER, T. (2016). Opportunities for standing up: Combating the sedentary workplace through contextual design. Accepted for *the Proceedings of the Human Factors and Ergonomics Society Europe Chapter 2013 Annual Conference*, Prague, Czech Republic: October 26-28, 2016.
6. Wurmb, T., Happel, O., Albert, T.M., Reinhardt, D., Kraft, A.-K., Steinisch, A., & GRUNDGEIGER, T. (2016). Echtzeit-Dokumentation bei innerklinischen Reanimationen: Chronik der Entwicklung einer Tablet-PC basierten „App“. Presentation at the *Wissenschaftliche Arbeitstage Notfallmedizin (WATN) 2016*, 07.02.16 - 08.02.16, Kiel.
7. Schaper, P.<sup>+</sup>, & GRUNDGEIGER, T. (2015). The effects of divided attention on commission errors in the delay execute paradigm. In Bermeitinger, C., Mojzisch, A., & Greve, W. (Eds.), *Beiträge zur 57.Tagung experimentell arbeitender Psychologen* (p.219).
8. Schaper, P.<sup>+</sup>, & GRUNDGEIGER, T. (2014). Errors of commission in the delayed execute paradigm: Analyzing reaction times and prospective memory performance. Paper presented at the 4th International Conference on Prospective Memory, Naples, Italy: 26-30 May, 2014.
9. Schaper, P.<sup>+</sup>, & GRUNDGEIGER, T. (2014). Exploring commission errors after finished delayed intentions. In Schütz, A.C., Drewing, K., & Gegenfurtner, K.G.(Eds.), *Beiträge zur 56.Tagung experimentell arbeitender Psychologen* (p. 224).
10. GRUNDGEIGER, T., & Sanderson, P. (2014). Prospective memory in safety-critical Domains. In Ansorge, U., Kirchler, E., Lamm, C., & Leder, H. (Eds.) *Beiträge zur 54.Tagung experimentell arbeitender Psychologen*, Vienna, Austria (p. 102).
11. GRUNDGEIGER, T., Bayen, U.J., & Horn, S.S. (2012). Effects of sleep deprivation on prospective memory. In Bröder, A., Erdfelder, E., Hilbig, B. E., Meiser, T., Pohl, R.F., & Stahlberg, D. (Eds.), *Beiträge zur 53.Tagung experimentell arbeitender Psychologen*, Mannheim, Germany (p. 280).
12. Dogangün, A., & GRUNDGEIGER, T., Bayen, U. J., Haese, A., Stockmanns, G., & Ziegler, J. (2011). Der Awareness-Assistent: Ergebnisse einer Wirksamkeitsevaluation der elektronischen Gedächtnisassistenten. Paper presented at the REHACARE Internationale, Düsseldorf, Germany: 21-24 September 2011.

13. GRUNDGEIGER, T., Sanderson, P. M., Beltran Orihuela, C., Thompson, A., MacDougall, H. G., Nunnink, L., & Venkatesh, B. (2010). Using a full-scale simulation environment to investigate how nurses remember future intentions. Proceedings of the SimTecT 2010. Melbourne, VIC; 30 Aug - 2 Sep 2010.  
  
**[Selected as "TOP 20 abstract" for publication in *Simulation in Healthcare*: Grundgeiger, T, et al. (2010). Using a full-scale simulation environment to investigate how nurses remember future intentions. *Simulation in Healthcare*, 5(6), 366.]**
14. GRUNDGEIGER, T. (2010). The effect of different distractions on delayed intentions. The 3rd International Conference on Prospective Memory. Vancouver, Canada: 28-30 July 2010.
15. GRUNDGEIGER, T., Sanderson, P., Beltran Orihuela, C., Thompson, A., McDougall, H., Nunnink, L., & Venkatesh, B. (2010). Prospective memory in intensive care nursing. The 3rd International Conference on Prospective Memory. Vancouver, Canada: 28-30 July 2010.
16. Liu, D., GRUNDGEIGER, T., Sanderson, P. M., Leane, T., Jenkins, S. (2008). Interruptions, distractions and situation awareness in advanced display studies. Abstract for Society for Technology in Anesthesia (STA2008) Annual Meeting. San Diego, CA: 16-19 Jan, 2008. **[Won Best Abstract Award in the area of Anesthesia Information Systems]**.
17. GRUNDGEIGER, T., Alsan, A., & Bäuml, K.-H. (2006). Die negative Wirkung von Hinweisreizen beim episodischen Erinnern: Evidenz für inhibitorische Prozesse. In Hecht, H., Berti, S., Meinhardt, G. & Gamer, M. (Eds.), Beiträge zur. 48.Tagung experimentell arbeitender Psychologen, Mainz, Germany (p. 264).

#### ***Invited talks & other talks***

1. GRUNDGEIGER, T. (2016). Technikprobleme im Alltag und an der Arbeit: Menschliches Versagen oder unbrauchbare Technik? Hörsaal-on-Tour Vortragsreihe des Würzburger Universitätsbunds WS 15/16, Würzburg, Germany.
2. GRUNDGEIGER, T. (2014). Usability Problems: Past, Modern, & Contemporary. 2<sup>nd</sup> World Usability Day in Würzburg, 13.11.14, Würzburg, Germany.
3. GRUNDGEIGER, T. (2013). Prospective Memory in Critical Care. Accepted for the 121<sup>st</sup> Annual Convention of the American Psychological Association, Honolulu, Hawaii, HI: July 31 - August 4, 2013. **[APA Div 21 George E. Briggs Dissertation Award 2012]**

4. GRUNDGEIGER, T. (2011). Distractions and interruptions in the intensive care unit. Invited talk at National Nursing Research Unit and the Patient Safety & Service Quality Research Centre, King's College London, UK, 14 Mar 2011.
5. GRUNDGEIGER, T. (2009). Invited short summary of students' perceptions of the conference at the closing ceremony. *17th Triennial Congress of the International Ergonomics Association (IEA2009)*. Beijing, PRC: 9-14 August 2009.

### **Organised symposia**

1. Schaper, P.<sup>+</sup> & GRUNDGEIGER, T. (2015). Prospective Memory – Current Trends and Theoretical Advances. Symposia at the 57.Tagung experimentell arbeitender Psychologen (TEAP), Hildesheim, Germany.

### **Media**

1. „Unterbrechungen im Krankenhaus“ JuKiP - Ihr Fachmagazin für Gesundheits- und Kinderkrankenpflege. Ausgabe 02.2014 [News item in paper]
2. „Verursachen Unterbrechungen Fehler?“ Personalführung. Magazin der Deutschen Gesellschaft für Personalführung e.V. Meldung unter Rubrik „Themen + Trends“. Ausgabe 01.2014. [News item in paper]
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