

Markus A. Feufel

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Training

- PhD* Wright State University, Dayton, Ohio, USA, 2009
Human Factors and I/O Psychology
- MS* Wright State University, Dayton, Ohio, USA, 2006
Human Factors and I/O Psychology
- Dipl.-Ing. (FH)* Fachhochschule Stuttgart - Hochschule der Medien, 2003
Audiovisual Media Engineering

Positions

- 2016 – *Assistant Professor of Ergonomics (W1)*, Technische Universität Berlin
- 2016 – *Visiting Scientist* (Institute for Medical Sociology & Rehabilitation Science)
- 2015 – 2016 *Deputy Head of the Division for Teaching and Learning*
- 2012 – 2016 *Assistant to the Dean for Teaching and Learning*
- 2012 – 2016 *Research Scientist*, Charité – Universitätsmedizin Berlin
- 2012 – *Associated Research Scientist*, Harding Center for Risk Literacy
- 2009 – 2012 *Postdoctoral Research Fellow*, Max Planck Institute for Human Development
- 2005 – 2009 *Graduate Research Assistant*, Culture and Cognition Lab (CCL), Wright Patterson Air Force Research Laboratory (AFRL), Wright State University, Dayton, OH

Honors & Awards

- 2018 [Henry Walton Prize](#) (most downloads) for the article „Training medical students how to extract, assess and communicate evidence from an article“
- 2016 [Deutscher Forschungspreis für Allgemeinmedizin 2016](#) (3. Preis) der Dr. Lothar-Beyer-Stiftung in der Deutschen Stiftung für Allgemeinmedizin und Familienmedizin für „Kognitive Strategien in der Primärversorgung“
- 2012 **Scholarship** for the Summer Institute for Informed Patient Choice (SIIPC)
- 2011 [Human Factors Prize Finalist](#) for “[Promoting colorectal cancer screening in public outreach campaigns](#)“
- 2010 [Best Ergonomics in Design Article Award](#) for “[Calling 911: Emergency Medical Services in need of Human Factors](#)“
- 2004 – 2006 **Fulbright Fellowship**. Wright State University, Dayton, Ohio, USA

Research Interests

- Bounded rationality and decision making under uncertainty
- Risk communication and shared / informed decision making
- Influence of technology on reasoning and decision processes
- Critical / scientific thinking and reasoning

Funding (736.662 € of 2.362.495 €)

- 2019 – 2021 *Co-PI for the project “RAI students: Rationaler Antibiotikaeinsatz durch Information und Kommunikation für Studierende der Medizin und Pharmazie”, Bundesministerium für Bildung und Forschung (BMBF) [Federal Ministry for Education and Research]:
(52.500 € of 475.231 €)*
- 2019 – 2020 *Co-PI for the project “ Weiterbildung von niedergelassenen GynäkologInnen zur Verbesserung der kommunikativen Kompetenz in der Beratung von Frauen mit familiärer Brust- und Eierstockkrebsbelastung”, Deutsche Krebshilfe [German Cancer Aid]:
(50.808 € of 138.165 €)*
- 2018 – 2021 *Co-PI for the project “iKNOW - Development and evaluation of an online-based counseling tool for BRCA1/2- mutation carriers”, Innovationsfonds of the Federal Joint Committee (G-BA) [Germany’s highest decision-making body of the joint self-government of physicians, dentists, hospitals and health insurance funds in Germany]:
(247.856 € of 740.935 €)*
- 2017 – 2018 *PI for the project “Arbeitsanforderungen und Stresserleben in medizinischen Berufen”, funded by the Faculty V Mechanical Engineering and Transport Systems, Technische Universität Berlin:
(4.910 € of 4.910 €)*
- 2012 – 2016 *Co-PI for quality improvement in science education, statistical thinking, and risk communication for medical students and physicians: Berliner Qualitätsinitiative für die Lehre 2012 – 2016 [Berlin Campaign for Quality in Education]; Department for Education, Youth and Science, Berlin:
(380.588 € of 1.003.164 €)*

Publications

Journal articles (peer reviewed)

- Speiser, D., Rebitschek, F., Feufel, M. A., Brand, H., Besch, L., Kendel, F. (accepted). Accuracy in risk perception among *BRCA1/2*-mutation carriers. *Patient Education and Counseling*.
- Boesner, S., Abushi, J., Feufel, M. A., & Donner-Banzhoff, N. (accepted). Diagnostic strategies in general practice and the emergency department - A comparative qualitative analysis. *BMJ Open*.
- Kendel, F., & Feufel, M. A. (2019). Risikowahrnehmung und Risikoverständnis bei Männern mit Prostatakarzinom. *Der Onkologe*. <https://doi.org/10.1007/s00761-019-0539-8>
- Feufel, M. A., & Flach, J. M. (2019). Medical education should teach heuristics rather than train them away. *Medical Education*, 53, 334–344. <https://doi.org/10.1111/medu.13789>
- Meier, F. C., Schöbel, M., & Feufel, M. A. (2018). Does size matter? Spacious car cockpits may increase the probability of parking violations. *Ergonomics*, 61(12), 1613–1618. <https://doi.org/10.1080/00140139.2018.1503727>
- Feufel, M. A. (2018). How to uncover sources of Unwarranted Practice Variation: A case study in Emergency Medicine. *Qualitative Health Research*, 28(9), 1486–1498. <https://doi.org/10.1177/1049732318774322>
- Grüne-Yanoff, T., Marchionni, C., & Feufel, M. A. (2018). Toward a framework for selecting behavioural policies: How to choose between boosts and nudges. *Economics and Philosophy*, 1–24. <https://doi.org/10.1017/S0266267118000032>
- Keller, N., Feufel, M. A., Kendel, F., Spies, C. D., & Gigerenzer, G. (2017). Training medical students how to extract, assess and communicate evidence from an article. *Medical Education*. <https://doi.org/10.1111/medu.13444>
- Flach, J. M., Feufel, M. A., Reynolds, P. L., Parker, S. H., & Kellogg, K. M. (2017). Decisionmaking in practice: The dynamics of muddling through. *Applied Ergonomics*, 63, 133–141. <https://doi.org/10.1016/j.apergo.2017.03.017>
- Donner-Banzhoff, N., Seidel, J., Sikeler, A. M., Bösner, S., Vogelmeier, M., Westram, A., Feufel, M. A., Gaissmaier, W., Wegwarth, O., & Gigerenzer, G. (2017). The phenomenology of the diagnostic process: A primary care-based survey. *Medical Decision Making*, 37(1), 27–34. <https://doi.org/10.1177/0272989X16653401>

- Lippa, K. D., Feufel, M. A., Robinson, F. E., & Shalin, V. L. (2017). Navigating the decision space: Shared medical decision making as distributed cognition. *Qualitative Health Research*, 27(7), 1035-1048. <https://doi.org/10.1177/1049732316665347>.
- Hautz, S. C., Hautz, W. E., Feufel, M. A., & Spies, C. D. (2016). What makes a doctor a scholar: A systematic review and content analysis of outcome frameworks. *BMC Medical Education*, 16(119). <https://doi.org/10.1186/s12909-016-0627-z>
- Hautz, S. C., Hautz, W. E., Keller, N., Feufel, M. A., & Spies, C. D. (2015). The scholar role in the National Competence Based Catalogues of Learning Objectives for Undergraduate Medical Education (NKLM) compared to other international frameworks. *GMS German Medical Science*, 13, Doc20. <https://doi.org/10.3205/000224>.
- Schiekirka, S., Feufel, M. A., Herrmann-Lingen, C., & Raupach, T. (2015). Evaluation in medical education: A topical review of target parameters, data collection tools and confounding factors. *GMS German Medical Science*, 13, Doc15. <https://doi.org/10.3205/000219>.
- Prinz, R., Feufel, M. A., Gigerenzer, G., & Wegwarth, O. (2015). What counselors tell low-risk clients about HIV test performance. *Current HIV Research*, 13, 369-380. <https://doi.org/10.2174/1570162X13666150511125200>.
- Ruggeri, A. & Feufel, M. A. (2015). How basic-level objects facilitate question-asking in a categorization task. *Frontiers in Psychology*. 6(918), <https://doi.org/10.3389/fpsyg>.
- Hautz, S. C., Hautz, W. E., Feufel, M. A., & Spies, C. D. (2015). Comparability of outcome frameworks in medical education: Implications for framework development. *Medical Teacher*, 37(11), 1051-1059. <https://doi.org/10.3109/0142159X.2015.1012490>
- Keller, N., Czienskowski, U., & Feufel, M. A. (2014). Tying up loose ends: A methodological framework for integrating blunt end strategic trade offs with sharp end plans of action. *Ergonomics*. <https://doi.org/10.1080/00140139.2014.917204>.
- Feufel, M. A. (2013). [Ein kurzer »Knigge« über den Umgang mit Risiken und Unsicherheit](#) [A short manual on how to deal with risks and uncertainty]. *Gynäkologische Praxis*. 37(3), 519-529. Republished 2014 in: *Chirurgische Praxis*, 78(2), 173-182.
- Feufel, M. A. & Stahl, F. (2012). What web-use skill differences imply for online health searches. *Journal of Medical Internet Research*. 14(3):e87. <https://doi.org/10.2196/jmir.2051>.

- Schneider, T. R., Feufel, M. A., & Berkel, H. J. (2011). Promoting colorectal cancer screening in public health outreach campaigns. *Human Factors*, 53(6), 637-646. <https://doi.org/10.1177/0018720811427134>.
- Feufel, M. A., Robinson, E., Shalin, V. L. (2011). The impact of medical record technologies on collaboration in U.S. emergency medicine. *International Journal of Medical Informatics*, 80(8), e85-e95. <https://doi.org/10.1016/j.ijmedinf.2010.09.008>.
- Feufel, M. A., Antes, G., Gigerenzer, G. (2010). Vom sicheren Umgang mit Unsicherheit: Was wir von der pandemischen Influenza (H1N1) 2009 lernen können [Competence in dealing with uncertainty: Lessons to learn from the pandemic influenza (H1N1) 2009] *Bundesgesundheitsblatt*, 53, 1283–1289. <https://doi.org/10.1007/s00103-010-1165-1>.
- Gigerenzer, G., Wegwarth, O., Feufel, M. A. (2010). Misleading communication of risk. *British Medical Journal*, 341:c4830, <https://doi.org/10.1136/bmj.c4830>.
- Feufel, M. A., Schneider, T. R., Berkel, H. J. (2010). A field test of the effect of instruction design on cancer self-screening accuracy. *Health Education Research*, 25(5), 709-723. <https://doi.org/10.1093/her/cyq015>.
- Gigerenzer, G., Mata, J., Frank, R., Feufel, M. A. (2009). [Wie informiert ist die Bevölkerung über den Nutzen der Krebsfrüherkennung? Europäische Studie erfasst Kenntnisstand](#). *Onkologie heute*, 5, 8-10.
- Feufel, M. A., Lippa, K. D., Klein, H. A. (2009). Calling 911: Emergency Medical Services in need of Human Factors. *Ergonomics in Design: The Quarterly of Human Factors Applications*, 17(2), 15-19. <https://doi.org/10.1518/106480409X435961>.

Book chapters

- Feufel, M. A. (in press). Simple minds in der Notfallaufnahme. In T. Schaefer, T. Horlitz, & U. Rudolph (Eds.) *Simple minds in a complex world: Der Mensch zwischen Komplexität und Einfachheit*. Heidelberg: Springer-Verlag.
- Feufel, M. A. (2016). Statistische Risiken und Unsicherheit in PatientInneninformationen. In W. Lesch & A. Schütt (Eds.) *Gesundheitsforschung kommunizieren, Stakeholder Engagement gestalten*. (pp. 125-136). Berlin: Medizinisch Wissenschaftliche Verlagsgesellschaft.
- Feufel, M. A., Antes, G., Steurer, J., Gigerenzer, G., Muir Gray, J. A., Mäkelä, M., Mulley Jr., A. G., Nelson, D. E., Schulkin, J., Schünemann, H., Wennberg, J. E., & Wild, C. (2013). Wie verbessern wir die Gesundheitsversorgung: durch bessere Systeme, bessere Patienten oder beides? In G. Gigerenzer & J. A. Muir Gray (Eds.), *Bessere*

Ärzte, bessere Patienten, bessere Medizin: Aufbruch in ein transparentes Gesundheitswesen (Strüngmann Forum Reports) (pp. 117-134). Berlin: Medizinisch Wissenschaftliche Verlagsgesellschaft.

Feufel, M. A., Stahl, S. F., & Lee, S-Y. (2012). Was Hänschen nicht googelt, findet Hans nimmermehr? Onlinesuche im Vergleich der Generationen. [How good are we at googling? Online search across generations] In M. Schwarz-Friesel & K. Marx (eds.) *Sprache und Kommunikation im technischen Zeitalter: Wie viel Technik (v)erträgt unsere Gesellschaft?* Berlin, Germany: de Gruyter.

Feufel, M. A., Antes, G., Nelson, D., Gigerenzer, G., Gray, M. J. A., Mäkelä, M., Mulley, A., Schulkin, J., Schünemann, H., Steurer, J., Wennberg, J. E., Wild, C. (2011). What Is Needed for Better Health Care: Better Systems, Better Patients or Both? In Gigerenzer G. & Gray J. (Eds.), *Better Doctors, Better Patients, Better Decisions: Envisioning Health Care 2020* (pp. 117-134). Cambridge, MA: MIT Press.

Conference Proceedings

Wang, W. M., Mörike, F., Hergesell, J., Feufel, M. A., Baur, N., Stark, R. (accepted). Approaching knowledge dynamics across the product development process with qualitative methods. In *Proceedings of the 22nd International Conference on Engineering Design (ICDE)*, TU Delft, Niederlande.

Flach, J. M., Feufel, M. A., & Voorhorst, F. A. (accepted). Seeing like an expert: Tuning recognition-primed heuristics. *Proceedings of the Naturalistic Decision Making Conference 2019*, San Francisco, CA, USA.

Meier, F. C., Schöbel, M., & Feufel, M. A. (2019). Kommt es doch auf die Größe an? Über den Einfluss der Größe von Fahrerkabinen auf die Wahrscheinlichkeit falschzuparken. In Gesellschaft für Arbeitswissenschaft (Ed.), 65. Kongress der Gesellschaft für Arbeitswissenschaft (p. 1-7). Dortmund: GfA-Press.

Rüsenberg, F., Hampton, A. J., Shalin, V. L., & Feufel, M. A. (2018). Stop words are not "Nothing": German Modal Particles and public engagement in Social Media. In R. Thomson, C. Dancy, A. Hyder, & H. Bisgin (Hrsg.), *Social, Cultural, and Behavioral Modeling* (Bd. 10899, S. 89–96). Cham: Springer International Publishing.
https://doi.org/10.1007/978-3-319-93372-6_11

Feufel, M. A. & Shalin, V. L. (June, 2009). Electronic medical records and NDM in U.S. emergency departments: A preliminary analysis. *Proceedings of the 9th bi-annual International Conference on Naturalistic Decision Making, Covent Garden, London, United Kingdom*, 205-210.

Feufel, M. A. & Shalin, V. L. (June, 2008). Patient safety = systems safety: Using a sociocultural framework for targeting approaches to patient safety. *Proceedings of the 2nd International Conference on Health Systems, Ergonomics, and Patient Safety, Strasbourg, France.*

Feufel, M. A., Schneider, T. R., & Berkel, H. J. (October, 2006). Facilitating the use of at-home colorectal screening tests: The effect of cognitive and motivational instruction manipulations on user perceptions and intentions. *Proceedings of the Human Factors and Ergonomics Society 50th Annual Meeting, San Francisco, USA, 1073-1077.*

Dissertation and Theses

Feufel, M. A. (2009). *Bounded rationality in the Emergency Department*. Doctoral dissertation, Wright State University, Dayton, Ohio, USA. Available at: http://etd.ohiolink.edu/view.cgi?acc_num=wright1249241698

Feufel, M. A. (2006). *Detection and prevention of colorectal cancer: Facilitating Fecal Occult Blood Testing*. Unpublished Master thesis, Wright State University, Dayton, Ohio, USA.

Feufel, M. A. (2003). *Memotion: Facilitating the experience of self-directed, mnemonic learning via an interactive multimedia web application*. Unpublished Diploma thesis, Hochschule der Medien, Stuttgart, Germany.

Presentations

Presentations at scientific conferences

Sander, N. & Feufel, M. A. (March, 2019). *Überforderte Ärzteschaft? Betrachtung der Arbeitsbelastung klinisch tätiger Ärzte*. Presentation at the 24. Kongress Armut und Gesundheit 2019, Technische Universität Berlin, Germany.

Rauwolf, G., Speiser, D. Kendel, F., Hilger, C., Heibges, M., Besch, L., & Feufel, M. A. (March, 2019). *iKNOW – Entwicklung und Evaluation eines online-gestützten Beratungstools für BRCA1/2-Mutationsträgerinnen*. Presentation at the 20. Jahrestagung des EbM-Netzwerks 2019, Berlin, Germany.

Meier, F. C., Schöbel, M., & Feufel, M. A. (Februar, 2019). *Kommt es doch auf die Größe an? Über den Einfluss der Größe von Fahrerkabine auf die Wahrscheinlichkeit falschzuparken*. Presentation at the 65. Kongress der Gesellschaft für Arbeitswissenschaft (GfA), Dresden, Germany.

- Besch, L., Kendel, F., Feufel, M. A., Brand, H., & Speiser, D. (November, 2018). *Risikokompetenz von BRCA1/2-Mutationsträgerinnen*. Presentation at the 62. Kongress der Deutschen Gesellschaft für Gynäkologie und Geburtshilfe (DGGG) [German Society for Gynecology and Obstetrics] 2018, Berlin, Germany.
- Meier, F. C., Mörike, F., Feufel, M. A. (September, 2018). *Neue Formen der Arbeit in der digitalisierten Welt*. Presentation at the Herbstkonferenz 2018 of the Gesellschaft für Arbeitswissenschaft (GfA) [Ergonomics Society], Berlin, Germany.
- Besch, L., Speiser, D., Feufel, M. A., Brand, H., & Kendel, F. (Februar, 2018). *Accuracy of risk perception among BRCA1/2-mutation carriers*. Presentation at the Deutsche Krebskongress (DKK) [German Cancer Congress] 2018, Berlin, Germany.
- Feufel, M. A. (Februar, 2018). *Lessons learned - Englischsprachige Lehrveranstaltungen an einer deutschen Universität*. Presentation at the Conference on Internationalizing the Curricula in MINT Subjects 2018 (ICM), Technische Universität Berlin, Germany.
- Feufel, M. A., Keller, N., Kendel, F., Spies, C. D., & Gigerenzer, G. (September, 2016). *A 1-hour course to improve Bayesian reasoning in medical school*. Presentation at the 50th Congress of the German Psychological Association (DGPs), Leipzig, Germany.
- Keller, N., Jenny, M., Feufel, M. A., Balzer, F., Spies, C. D. (September, 2016). *Translational Data Science – Using Cognitive Data Science to translate machine learning into actionable decision support*. Presentation at the 50th Congress of the German Psychological Association (DGPs), Leipzig, Germany.
- Bähr, V., Keller, N., Feufel, M. A., Offenhauser, N. (May, 2015). *(Quite) a few bad apples? Prevalence, patterns and attitudes towards scientific misconduct among doctoral students at a German university hospital*. Poster presentation at the 4th World Conference on Research Integrity, Rio de Janeiro, Brazil.
- Marchionni, C., Feufel, M. A., & Grüne-Yanoff, T. (December, 2014). *Boosts versus nudges: How to pick the right policy tool*. Presentation at the conference on Economics and psychology in historical perspective (from 18th century to the present), Maisons des Sciences Economiques, Paris, France.
- Keller, N., Feufel, M. A., Bähr, V., Offenhauser, N. (September, 2014). *(Quite) a few bad apples? Prevalence, patterns, and attitudes towards scientific misconduct at a German university hospital*. Poster presentation at the 25th European Students' Conference, Charité-Universitätsmedizin Berlin, Germany.
- Hautz, S., Blaum, W., Feufel, M. A., Spies, C. D. (September, 2013). *Was macht einen Arzt zum „Gelehrten“? Ein internationaler Vergleich der „Outcome-Frameworks“ zur Rolle des*

Arztes als „Gelehrter“. Presentation at the yearly convention of the Society for Medical Education [Gesellschaft für Medizinische Ausbildung], Graz, Austria.

Donner-Banzhoff, N., Westram, A., Vogelmeier, M., Gaissmeier, W., Bösner, S., Wegwarth, O., Feufel, M., & Gigerenzer, G. (April, 2013). *Diagnosis in generalist medicine: Dealing with ill-defined cases*. Workshop on Clinical Reasoning, Department of Psychology, Radboud University Nijmegen, Niederlande.

Feufel, M. A., Foehre, B., Koenig, S., & Spies, C. D. (May, 2013). *Improving resident training with workplace assessments Step 1: Development and validity testing*. Presentation at the 3rd conference for Research on Medical Education (RIME), Charité-University Medicine Berlin, Berlin, Germany.

Hautz, S., Blaum, W., Feufel, M. A., Spies, C. D. (May, 2013). *What makes a doctor a scholar? A cross-national comparison of outcome frameworks*. Presentation at the 3rd conference for Research on Medical Education (RIME), Charité-University Medicine Berlin, Berlin, Germany.

Bodemer, N., Müller, S. M., & Feufel, M. A. (May, 2013). *Ambiguous health information, treatment choice, and choice strategies*. Presentation at the 55th Tagung experimentell arbeitender Psychologen (TeaP), Vienna, Austria.

Feufel, M. A. (April, 2012). *Capturing knowledge level constraints using qualitative methods*. Presentation at the 27th Annual Conference of the Society for Industrial and Organizational Psychology, San Diego, California, USA.

Feufel, M. A. & Ruggeri, A. (April, 2012). *Keep it basic: Effects of verbal representations on categorization performance*. Presentation at the Tagung experimentell arbeitender Psychologen, Mannheim, Germany.

Feufel, M. A. & Ruggeri, A. (September, 2011). *How verbal representations influence inquiry strategies*. Presentation at the XXIV Congresso nazionale della sezione di psicologia dello sviluppo e dell'educazione, Genua, Italy.

Bodemer, N. P., Feufel, M. A., & Garcia-Retamero, R. (June, 2011). *Risk communication during a pandemic: The benefit of disclosing uncertainty*. Presentation at the 20th SRA-Europe Meeting, Stuttgart, Germany.

Gigerenzer, G., Mata, J., Frank, R., & Feufel, M. A. (May, 2011). *What does the public know about screening benefits? A European-wide study with representative samples*. Poster presented at the 2011 Scientific Advisory Board Meeting, Max Planck Institute for Human Development, Berlin, Germany.

- Feufel, M. A. (September, 2010). *Entscheidungsfindung in der Notfallaufnahme: Implikationen für Theorie und Praxis* [Decision making in the emergency department: Implications for theory and intervention] Presentation at the 47th Kongress der Deutschen Gesellschaft für Psychologie, Bremen, Germany.
- Feufel, M. A. & Shalin, V. L. (June, 2009). *Electronic medical records and NDM in U.S. emergency departments: A preliminary analysis*. Paper at the 9th bi-annual International Conference on Naturalistic Decision Making, Covent Garden, London, UK.
- Rogers, C. L., Schneider, T. R., & Feufel, M. A. (May, 2009). *Persuading public engagement in colorectal cancer screening*. Poster presented at the 2009 Annual Meeting of the Midwestern Psychological Association, Chicago, Illinois, USA.
- Schneider, T. R. & Feufel, M. A. (May, 2008). *Health appeal delivery: Virtual physicians promote health better than pamphlets*. Paper presented at the Annual Conference of the American Psychological Society, Chicago, Illinois, USA.
- Mateo, J. C. & Feufel, M. A. (July, 2007). *Computer access using electrical signals from the forehead: The Cyberlink in action*. Paper presented at the First International Conference on Technology-based Learning with Disability, Wright State University, Dayton, Ohio, USA.
- Schneider, T. R., & Feufel, M. A. (March, 2007) *Facilitating colorectal cancer screening in a community-wide outreach campaign*, Paper presented at the meeting of the American Psychosomatic Society, Budapest, Hungary.
- Feufel, M. A., Schneider, T. R., & Berkel, H. J. (October, 2006). *Facilitating the use of at-home colorectal screening tests: The effect of cognitive and motivational instruction manipulations*. Paper presented at the 50th annual conference of the Human Factors and Ergonomics Society, San Francisco, CA, USA.

Invited presentations at scientific institutions

- Feufel, M. A. (März, 2019). *Dynamik der Entscheidung: Beratung ohne Suggestion?* Eingeladener Vortrag auf dem 3. arriba-Symposium: Screening und Früherkennung, Charité-Universitätsmedizin Berlin, Berlin, Germany.
- Feufel, M. A. (October, 2018). *Higher order cognitive skills and soft skills for a digital future*. Invited panelist at the 7th German-Brazilian Dialogue on Science, Research and Innovation "Working and Learning in a Digital World" at the German Centre for Research and Innovation (DWIH-SP) and the Research Support Foundation of the State of São Paulo (FAPESP), São Paulo, Brasile.

- Feufel, M. A. (February, 2018). *Auf dem Weg zu einer besseren Gesundheitsversorgung: Projekte und Perspektiven aus den Arbeitswissenschaften*. Invited lecture at the research colloquium of the University Chair for Cognitive Psychology and Cognitive Ergonomics, Department of Psychology and Ergonomics, Technische Universität Berlin, Germany.
- Feufel, M. A. (June, 2017). *Human Factors in a nutshell: Potential for synergies and collaboration*. Invited lecture at the Empathy (Empowerment of the patient in therapy) Project, Interdisciplinary laboratory Image, Knowledge, Gestaltung, Humboldt Universität zu Berlin, Germany.
- Feufel, M. A. (June, 2017). *Risikokommunikation und Entscheidungsfindung in der Medizin*. Invited lecture at the Ringvorlesung Neue Technologien, Fachgebiet Arbeitslehre, Technische Universität Berlin, Germany.
- Feufel, M. A. (May, 2017). *Human Factors & Anthropology: Potential for synergies and collaboration*. Invited lecture at the STS Lab, Institute for European Ethnology, Humboldt Universität zu Berlin, Germany.
- Feufel, M. A. (April, 2015). *Der korrekte Umgang mit wissenschaftlichen Studien: objektive Risikobewertung und subjektive Risikowahrnehmung*. [The correct use of scientific studies: objective risk assessment and subjective risk perception] Invited lecture, Leopoldina, Deutsche Nationale Akademie der Wissenschaften [German National Academy of Sciences], Halle, Germany.
- Feufel, M. A. (April, 2015). *Statistische Evidenz im Gesundheitssystem des 21. Jahrhunderts: Realer Traum oder geträumte Realität*. [Statistical evidence in the medical system of the 21st century: A dream come true or a reality dreamed of]. Invited lecture at the Ringvorlesung Medizinethik, Charité-Universitätsmedizin Berlin.
- Feufel, M. A. (April, 2015). *Auf den gleichen Nenner bringen: Koordinationsprozesse in der Gesundheitsversorgung*. [Finding common ground: Coordination processes in the medical domain]. Invited lecture at the Department of Psychology and Ergonomics, Technische Universität Berlin, Germany.
- Feufel, M. A. (December, 2014). *Die Evolution der Kognition durch Big Data: Wir beeinflusst Big Data unser Denken?* [The Evolution of Cognition through Big Data: How does Big Data influence our thinking?] Invited talk and panel discussion at the symposium of the Master Program *Leadership in Digital Communication*, Universität der Künste Berlin, Germany.

- Feufel, M. A. (February, 2014). *The material culture of statistical representations: Its use and misuse in medicine*. Invited talk at the research colloquium of the Institut national de recherche en informatique et en automatique (INRIA). Nancy, France.
- Feufel, M. A. (November, 2013). *Heuristic decision making under uncertainty*. Invited talk at the Uncertainty Workshop of the Robert Koch Institute in cooperation with the Israeli Ministry of Defence, German Ministry of Health, Berlin, Germany.
- Feufel, M. A. (October, 2013). Invited address at the Symposium Lehren und Lernen in den Gesundheitsprofessionen - Berliner Impulse 1963 – 2013 [Teaching and Learning in the Health Professions – Berlin Impulses 1963 – 2013] at the Charité-University Medicine Berlin, Germany.
- Feufel, M. A. (October, 2013). *Kognition und Adaption im digitalen Zeitalter*. [Cognition and adaptation in the digital age]. Invited talk at the convention of the Görres Society for the Advancement of Science, University of Tübingen, Germany.
- Feufel, M. A. (December, 2012). *Wie können wir Verhalten besser erklären und unterstützen?* [How can we better explain and support behavior?]. Invited talk at the Futurological Congress organized by the Goethe Institute, Moscow, Polytechnical Museum, Moscow, Russia.
- Feufel, M. A. (October, 2012). Simple minds in the emergency department. Invited lecture at the 2. Symposium „Journeys into Psychology“: Simple minds in a complex world, Technische Universität Chemnitz, Germany.
- Feufel, M. A. (February, 2012). *How to support health decision-making and the effective organization of health care*. Invited talk at the Institute of Health and Society, Newcastle University, Newcastle, UK.
- Feufel, M. A. (January, 2012). *Medical decision making under uncertainty*. Invited talk at the Research Colloquium, Department of Liberal Arts, Institute for Language and Communication - General Linguistics, Technische Universität Berlin, Germany.
- Feufel, M. A. (January, 2012). *Arzt-Patienten Kommunikation und Deutung diagnostischer Befunde: Eine kurze Einleitung*. [Doctor-patient communication und diagnostic interpretations: A short introduction]. Invited lecture at the seminar “Methods and themes of conversation analyses” as part of the M.A. Program in Communication Studies, Department of Liberal Arts, Institute for Language and Communication – General Linguistics, Technische Universität Berlin, Germany.

- Feufel, M. A. (June, 2011). *Kommunikation gesundheitlicher Risiken*. [Communication of health risks]. Invited lecture at the seminar "Communication of health risks" as part of the Master Program in Public Health: Psychosoziale Prävention und Gesundheitsförderung, Department of Educational Sciences and Psychology, Free University of Berlin, Germany.
- Feufel, M. A. (May, 2011). *Communication of uncertainty and trust*. Invited talk at the Research Colloquium of the Max Planck Institute for Human Development, Berlin, Germany.
- Feufel, M. A. (February, 2011). *Bounded rationality of online search and evaluation behaviors*. Invited talk at the Center for Adaptive Behavior and Cognition, Max Planck Institute for Human Development, Berlin, Germany.
- Feufel, M. A. (January, 2011). *Bounded rationality of medical decision making: Perspectives from the field*. Invited talk at the Department of Experimental Psychology and Behavioural Physiology, University of Granada, Granada, Spain.
- Bodemer, N. & Feufel, M. A. (February, 2010). *Risk perception and risk communication of physicians and patients*. Invited talk at the Psychological Colloquium, Department of Educational Sciences and Psychology, Free University of Berlin, Germany.
- Feufel, M. A. (February, 2010). *Problem identification: A cognitive task in real-world domains*. Invited talk at the Center for Adaptive Behavior and Cognition, Max Planck Institute for Human Development, Berlin, Germany.
- Feufel, M. A. (September, 2009). *Bounded rationality in the emergency department*. Invited talk at the Center for Adaptive Behavior and Cognition, Max Planck Institute for Human Development, Berlin, Germany.
- Feufel, M. A. (March, 2008). *Reasoning about health (care) as a dynamic system*. Invited talk to the Harding Center for Risk Literacy, Max Planck Institute for Human Development, Berlin, Germany.
- Feufel, M. A. & Schneider, T. R. (July, 2006). *Increasing adherence to FOBT taking: The effect of instruction design on test result return*. Invited address to the Colorectal Cancer Screening Campaign Committee, Cancer Prevention Institute, Dayton, Ohio, USA.

Invited presentations at scientific / professional meetings

- March 2019 *Dynamik der Entscheidung: Beratung ohne Suggestion?* [Dynamics of Decision Making: Counselling without manipulation?] Invited lecture at the 3. *arriba*-Symposium: Screening und Früherkennung, Charité-Universitätsmedizin Berlin, Berlin, Germany.
- Nov 2018 *Arbeitswelt 4.0: Wie Technik unseren (Arbeits-)Alltag verändert.* [Work 4.0: How technology transforms our work lives] Invited lecture at the Treffen Leitender MTA und Lehrender in der MTA-Ausbildung [Meeting of Medical Laboratory Assistants in Management and Education], Haus der Technik, Essen, Germany.
- May 2018 *iKNOW: Entwicklung und Evaluation eines online-gestützten Beratungstools für BRCA1/2-Mutationsträgerinnen.* Invited poster presentation with Dorothee Speiser, Jens-Uwe Blohmer, and Friederike Kendel at the Congress of the Innovationsfonds 2018, Berlin, Germany.
- Nov 2017 *Learning from Human Factors & Ergonomics: How to design medical products for patients.* Invited lecture at the Course No. 6704: Medicines for older adults: Getting prepared for the scientific and regulatory evolution, Arbeitsgemeinschaft für pharmazeutische Verfahrenstechnik e.V. (APV) [International Association for Pharmaceutical Technology], Graz, Austria.
- Oct 2014 *Informationsmanager Betriebsarzt: Krebsprävention und Früherkennung kommunizieren* [The occupational physician as information manager: Communicating cancer prevention and early detection]. Invited introductory talk and panel discussion at the satellite symposium of the German Cancer Aid, Deutsche Betriebsärzte Kongress 2014 [Congress of German Association of Occupational and Work Physicians], Nürnberg, Germany.
- Oct 2014 *Woran orientieren wir uns? Leitlinien, Werte oder Intuition?* [How do we make decisions? Based on guidelines, values, or intuition?] Invited introductory talk at the 6. Drei-Länder-Kongress Ergotherapie [6. Tristate Congress Ergotherapy], Kloster Irsee, Irsee, Germany.
- Feb 2014 *Risikokompetenz anbahnen und Widersprüche aushalten können.* [Acquiring risk literacy and coping with contradicting information] Invited introductory lecture at the yearly meeting of the Haushalt in Bildung und Forschung e.V. [Association for education and research in the domestic sciences] in association with the institute for nutrition, consumption and health at the University Paderborn, Germany.

- March 2013 *Patienteninformationen: Wie lassen sich statistische Risiken als Entscheidungsgrundlage in Patienteninformationen vermitteln?* [Patient information: How to communicate statistical risks as a basis for medical decision making?] Invited lecture at the workshop „Leitfaden für die Erstellung von Patienteninformationen und -einwilligungserklärungen“, Geschäftsstelle der Technologie- und Methodenplattform für die vernetzte medizinische Forschung e.V., Berlin, Germany.
- Nov 2012 *Die Suche nach der Wahrheit: Ist eine verständliche und qualitativ hochwertige Berichterstattung möglich?* [The search for truth: Is transparent und high quality reporting possible?] Invited symposium at the „Forum Wissenschaft“ of the Journalistentag des Deutschen Journalisten-Verbandes NRW 2012 [Convention of the German Journalist Association 2012], Festspielhaus Recklinghausen, Germany.
- Nov 2012 *Brustkrebsfrüherkennung ja oder nein? Durch transparente Informationen zur informierten Entscheidung.* Invited lecture at the 7. Symposium Integrierte Versorgung: Brustkrebsfrüherkennung und integrierte Versorgung – Knoten oder Schleife? [7. Symposium Integrated Care: Breast cancer early detection and integrated care– knot or ribbon?] Austrian Department of Health, Vienna, Austria.
- March 2012 *Wahrnehmen von Risikozahlen durch Ärzte und Patienten: Verstehen wir worüber wir reden?* [Risk perception by doctors and patients: Do we understand what we are talking about?] Invited lecture at the 7. Berlin Symposium on Genetics und Pregnancy, Berlin, Germany.
- Feb 2012 *Aufbruch ins Jahrhundert des Patienten: Was erwarten Bürger von der Telemedizin?* [Launching the century of the patient: What does the public expect from telemedicine?] Introductory lecture at the 7th Landeskongress „Telematik im Gesundheitswesen“ [7th national conference on telemedicine], University of Potsdam, Germany.
- Feb 2012 *Patientenorientierte Risikokommunikation in der Pränataldiagnostik* [Patient-oriented Risk Communication in Prenatal Diagnostics] Invited lecture at the 155. Genetic Roundtable, Charité-Universitätsmedizin Berlin, Germany.
- Oct 2011 *Kommunikation von Arzneimittelnutzen und –risiken an Verbraucher* [Communicating medication benefits and harms to consumers]. Invited talk at the 11th yearly “Consumer Health Care” meeting organized by the

postgraduate Master program in Consumer Health Care, Charité-Universitätsmedizin Berlin, Germany.

- May 2011 *Durch transparente Risikokommunikation zu informierten Entscheidungen.* [Informed decision making through transparent risk communication], Invited lecture at the Department of Psychiatry and Psychotherapy, Universitätsklinikum Schleswig-Holstein, Lübeck, Germany.
- May 2011 *Einführung in die Risikokommunikation* [An introduction to risk communication] Invited talk at the introductory meeting of the OptRisk/arriba research group, Phillips University of Marburg, Department of General Practice, Marburg, Germany.
- Oct 2010 *Früherkennung: ja oder nein? Informiertes Entscheiden durch transparente Risikokommunikation.* [Early cancer detection screening: yes or no? Informed decision making through transparent risk communication], Invited lecture and panel discussion at the 2010 meeting of the Krebsliga Schweiz on early detection of prostate cancer, Bern, Switzerland.
- Oct 2009 *A systems perspective: On the importance of empowering patients.* Invited presentation at the World Health Summit, Berlin, Germany.

Invited workshops (as participant or speaker)

- 2019 *Invited moderator.* Symposium *“Transfer in der Lehre – Chance oder Zumutung?”* [Transfer in teaching – chance or burden?], Universität Konstanz, Konstanz, Germany.
- 2018 *Invited participant. Expert workshop* on how to better integrate evidence-based medicine in continuing medical education, Ärztekammer Berlin, Germany.
- 2018 *Invited participant and commentator.* Verbundprojekt *“Wissensdynamik in den Technikwissenschaften”*. [Cooperative project *“Knowledge dynamics in the engineering sciences”*], Technische Universität Berlin, Germany.
- 2014 *Invited participant.* Working group *“Besser Forschen”* [“Improving Research”] initiated by the *Robert Koch Institute*, Berlin, Germany.
- 2014 *Invited participant. Research retreat “ABC goes Wild”* of the Center for Adaptive Behavior and Cognition, Max Planck Institute for Human Development, Gut Gremmelin, Güstrow, Germany.

- 2014 *Invited participant. Blankensee Colloquium 2014* “Nudge versus Educate: Comparing two approaches to policy in terms of their modeling strategies”, sponsored by the Institute for Advanced Study, Wissenschaftskolleg zu Berlin, Schloss Blankensee, Germany.
- 2013 *Invited participant. Uncertainty Workshop “A curriculum to convey uncertainty competencies”* of the Robert Koch Institute in cooperation with the Israeli Ministry of Defence, German Ministry of Health, Berlin, Germany.
- 2013 *Invited participant. Reducing the burden of cancer conference*, sponsored by the Royal Netherlands Academy of Arts and Sciences (KNAW), the Central Bank of The Netherlands and Inspire2live. Royal Dutch Academy of Sciences, Amsterdam, Netherlands.
- 2012 *Invited participant. Futurological Congress* organized by the Goethe Institute Moscow, Polytechnical Museum, Moscow, Russia.
- 2012 *Invited participant. 2. Symposium „Journeys into Psychology“: Simple minds in a complex world*, Technische Universität Chemnitz, Germany.
- 2012 *Scholarship recipient. Summer Institute for Informed Patient Choice* “Measurement of Shared Decision Making in Practice.” The Center for Informed Choice, The Dartmouth Institute for Health Policy & Clinical Practice, Dartmouth University, Lebanon, NH, USA.
- 2012 *Invited participant and group leader working on how to reduce cancer incidence by changing lifestyle. Understanding Life: The Young ones Inspire2Live conference* on reinventing discovery for the benefit of the patient. Royal Dutch Academy of Sciences, Amsterdam, Netherlands.
- 2010 *Invited participant. VASS 2010 - Visual Analytics Summer School*, Middlesex University, UK, London.
- 2009 *Invited participant. Ernst Strüngmann Forum* on Better Doctors, Better Patients, Better Decisions: Envisioning Healthcare 2020, Frankfurt am Main, Germany.
- 2008 *Invited participant. Summer Institute on Bounded Rationality* in Psychology and Economics, Max Planck Institute for Human Development, Berlin, Germany.

Teaching*Positions*

- 2016 – ***Assistant Professor in Ergonomics (W1)***
 Courses at Technische Universität Berlin:
 Risk & Uncertainty: Concepts, methods, applications (lecture + exercise)
 Foundations of Human Factors & Ergonomics (lecture + exercise)
 „Wer nicht denken will fliegt raus“ (lecture series)
- 2012 – 2016 ***Research Scientist*** at Charité-Universitätsmedizin Berlin
 Courses in the modular medical curriculum:
 Risk communication (practicum, 9. Semester)
 Understanding and communicating evidence (lecture, 9. Semester)
 Problem-based Learning (PbL, 1., 4., and 6. Semester)
Required credentials: Basic didactic training (20 hours), didactic training in problem-based teaching (16 hours), training in formulating multiple-choice (MCQ) questions (6 hours)
- 2009 -2012 ***Postdoctoral Research Fellow***
 Organization of lectures, workshops und public events on risk communication for physicians/patients
 Continuing Medical Education (for physicians/patients)
 Harding Center for Risk Literacy, Berlin.
- 2005 – 2006 ***Graduate Teaching Assistant***
 Psychology (BSc) PSY 101 (Introductory Psychology) Preparation of presentations, educational materials, and practical exercises
 Wright State University, Dayton, OH, USA.
Required credentials: Graduate Teaching Assistant Training with emphasis on working with students from ethnically diverse backgrounds (10 hours).

Continuing medical education (as invited speaker)

- Mai 2019 *Risk Literacy: Risiken richtig verstehen.* Invited presentation at the 125. Congress of the Deutsche Gesellschaft für Interne Medizin (DGIM), Wiesbaden, Germany. (100 participants).
- Feb 2017 *Medizinische Risikokommunikation: Ein Plädoyer für mehr Skepsis. [Medical risk communication: a plea for more skepticism].* Invited presentation at the 7. FORUM Patientennahe Klinische Forschung "Wissensmanagement in der Medizin" [7th forum patient-centered clinical research „knowledge management in medicine“], Universitätsklinikum Freiburg, Freiburg, Germany. (160 participants).

- Jan 2016 *Evaluation im Medizinstudium: Messgrößen, Instrumente, und Störfaktoren.* [Evaluation in medical education: Measurement criteria, instruments, and confounding factors]. Invited presentation at the Attending's Round Table of the Department of Anesthesiology and Intensive Care, Charité-University Medicine Berlin, Berlin, Germany. (20 participants).
- Sept 2015 *Risikokommunikation für Betriebsärzte* [Risk communication for occupational physicians]. Invited workshop at the Deutsche Betriebsärzte-Kongress 2015 [Congress of the German Association of Occupational and Work Physicians, 2015], Aachen, Germany. (10 participants).
- Sept 2015 *Kurzer Leitfaden „Risikokommunikation“* [Short Primer on “Risk Communication”]. Invited lecture at the Attending's Round Table of the Department of Anesthesiology and Intensive Care, Charité-Universitätsmedizin Berlin, Germany. (20 participants).
- Jan 2015 *Ein kurzer Leitfaden für den Umgang mit medizinischen Risiken und Wahrscheinlichkeiten.* [A primer on how to deal with medical risks and probabilities]. Invited lecture at the 11. Gynäkologischer Grevenbroicher Dialog [Gynecological Dialogue], Grevenbroich, Germany. (80 participants).
- Nov 2014 *Transparente Kommunikation von Risiken* [Transparent communication of risks]. Invited workshop at the 3. Fortbildungskongress der Ärztekammer Berlin in Kooperation mit der Arzneimittelkommission der deutschen Ärzteschaft (AkdÄ) [Continuing medical education congress of the Berlin Chamber of physicians in cooperation with the Drug Commission of the German Medical Association], Berlin, Germany. (30 participants).
- Oct 2014 *Risiken – Lesen wir medizinische Statistiken richtig?* [Risks – Do we know how to read medical statistics?] Invited lecture at the clinical gastroenterological conference of the Society for Gastroenterology and Hepatology in Berlin and Brandenburg e.V., Berlin, Germany. (45 participants)
- June 2014 *Beraten wir unsere Patientinnen falsch? Fallstricke in der Beurteilung medizinischer Evidenz.* [How do we counsel our patients? What you need to consider when evaluating medical evidence] Invited lecture at the 5th Gynecological Forum, Solingen, Germany. (35 participants)
- May 2014 *Ein kurzer “Knigge” über den Umgang mit Risiken und Wahrscheinlichkeit.* [A short manual on how to deal with risks and probability] Invited lecture at the annual meeting of the Bundesverband der Reproduktionsmedizinischen Zentren Deutschlands e.V. [Federal of

- Association of the Reproductive Medicine Centers in Germany] Berlin, Germany. (130 participants)
- Feb 2014 *Ein kurzer "Knigge" über den Umgang mit Risiken und Unsicherheit.* [A short manual on how to deal with risks and uncertainty] Invited lecture at the 19. Senological Workshop, Brustzentrum Saar Mitte, Knappschaftsklinikum Saar, Püttlingen, Germany. (70 participants)
- March 2012 *Prävention statistischer Missverständnisse in der Medizin.* [Preventing statistical misunderstandings in medicine] Invited lecture at the 22. Chemnitzer Onkologischen Gespräch, Klinikum Chemnitz gGmbH, Chemnitz, Germany. (50 participants)
- Dec 2011 *Nutzen und Risiken von Arzneimitteln in der Kommunikation zwischen Apotheker und Patient am Beispiel von Antihypertensiva* [Communicating medication risks and benefits over the pharmacy counter: Examples of antihypertensive drugs] Invited talk at the Pharmazeutische Gesprächskreis [pharmaceutical round-table], Berlin, Germany. (20 participants)
- Nov 2011 *Wahrscheinlichkeiten und Risiken in der Medizin – Eingeschränkt Rationalität in realen Umwelten* [Probabilities and risks in medicine – bounded rationality in real world domains]. Invited talk at the annual meeting of chief physicians in gynecology and perinatal medicine in Berlin Brandenburg, Berlin, Germany. (20 participants)
- Sept 2011 *Prävention statistischer Missverständnisse in der Medizin* [How to prevent statistical misperceptions in medicine]. Invited talk at the 5th biannual meeting of the Bundesarbeitsgemeinschaft Leitender Ärztinnen und Ärzte in der Frauenheilkunde und Geburtshilfe [national association of chief physicians in gynecology and perinatal medicine], Eisenach, Germany. (80 participants)
- Oct 2010 *Patientenorientierte Risikokommunikation in der personalisierten Medizin.* [Patient-focused risk communication in personalized medicine]. Invited talk at the annual meeting of the German, Austrian, and Swiss Society for Hematology and Oncology, Berlin, Germany. (50 participants)
- Feb 2010 *Risiko-Bewertung in der Krebsfrüherkennung.* [Risk assessment and early cancer detection screening campaigns] Invited lecture and panel discussion at the 7. Westdeutsche Tagung für Zervixpathologie und Kolposkopie [7th West-German conference on cervixpathology and colposcopy], Cancer Society Nordrhein-Westfalen, Düsseldorf, Germany. (60 participants)

Organized workshops / lectures

- 2018/2019 *Wer nicht denken will fliegt raus.* Lecture series organized in cooperation with Prof. Sabine Fischer, Prof. Wolfgang Mühl-Benninghaus (Humboldt Universität zu Berlin) and Prof. Jürgen Schulz (Universität der Künste), Berlin, Germany.
- June 2017 *Trust the crowd, not the individual: Lexical choice as a measure of urgency in Social Media.* Invited lecture given by Prof. Valerie L. Shalin from Wright State University, Dayton, Ohio at the Division of Ergonomics, Technische Universität Berlin, Germany.
- May 2017 *Visual thinking and communication.* Workshop given by Prof. Christof Breidenich from Hochschule Macromedia for Media and Communication at the Division of Ergonomics, Technische Universität Berlin, Germany.
- June 2011/14 *Discussing moral decisions: Is nudging ethically acceptable?* Invited workshop together with Juliane Kämmer at the Summer Institute on Bounded Rationality: Foundations of an Interdisciplinary Decision Theory. Max Planck Institute for Human Development, Berlin, Germany.
- Oct 2010 *Risk and decision making: Risk communication in a nutshell.* Invited workshop together with Nicolai Bodemer at the 21st European (Medical) Student Conference, Charité-Universitätsmedizin Berlin, Germany.
- July 2010 *Inferring decision rules: Exploring quantitative and qualitative methods.* Invited workshop together with Marco Monti and Wei Zhu at The Summer Institute on Bounded Rationality: Foundations of an Interdisciplinary Decision Theory, Berlin, Germany.

Organized outreach activities

- June 2012 *Testen Sie Ihre Risikokompetenz.* [Test your risk literacy] Public quiz and lecture at the Lange Nacht der Wissenschaften [Long night of Science], Max Planck Institute for Human Development, Berlin, Germany.
- March 2012 *Von der Risikoabschätzung zum guten Leben – oder umgekehrt? Über den gesellschaftlichen Umgang mit Unsicherheit* [From risk estimation to a good life – or vice versa? How society reckons with risks] Invited opening lecture at the retreat “Augen zu und durch! Wie gefahrenblind ist unsere Gesellschaft?” organized by the Evangelische Akademie im Rheinland, Bonn-Bad Godesberg, Germany.

- Feb 2012 *Aus-dem-Bauch oder rational begründet? Vom Risiko falsche Entscheidungen zu treffen* [Gut feeling or rational choice? On the risk of making wrong decisions] Invited lecture at the lecture series "Leben als Schicksal" organized by the Konrad Adenauer Stiftung, Bildungswerk Dresden, Seelsorgezentrum des Universitätsklinikums Carl Gustav Carus, Technische Universität Dresden, Germany.
- Nov 2011 *Do you feel safe?* Public quiz and lecture at the Max-Planck-Day for 8th to 13th graders of Berlin schools, Max Planck Institute for Human Development, Berlin, Germany.
- June 2011 *Was brauchen PatienInnen, um informiert entscheiden zu können?* [What do patients need to know to make information decision?] Public lecture at the Haus der Krebs-Selbsthilfe [House of Cancer Self-help], Berlin, Germany.
- June 2010 *Fühlen Sie sich sicher? Vermeintliche und tatsächliche Risiken* [Do you feel safe? Apparent and actual risks] Public quiz and lecture at the Lange Nacht der Wissenschaften [Long night of Science], Max Planck Institute for Human Development, Berlin, Germany.
- Feb 2010 *Risikoverständnis in der Krebsfrüherkennung.* [Risk perception and cancer screening campaigns]. Invited address and panel discussion at the open lecture "Forum für Alle" of the Berlin Cancer Society, 29-Deutscher Krebskongress, Berlin, Germany.

Professional service

Continuing Education

- 2018 *Führungsnachwuchsprogramm START* (52h / Unternehmensberatung Schönfeld)
- 2017 *Rechte und Pflichten als Mitglied einer Berufungskommission* (8h / DHV)
- 2016 *Zukunftsorientiertes Führungs- u. Managementsystem für die Wissenschaft* (8h / Svenja Neupert)

Supervision / Committee member (PhD students)

- 2017 - *Malte Schmieding* (MD student, Charité-Universitätsmedizin Berlin, supervisor)
- 2017 - *Marcus Buckmann* (PhD student, TU Berlin, committee member)
- 2017 - *Felix Meier* (PhD student, TU Berlin, supervisor)
- 2014 - *Roman Prinz* (PhD student, TU Berlin, supervisor)
- 2018 *Sabine Prezenski* (Dr. rer. nat., TU Berlin, chair of committee)
- 2017 *Marc Gebler* (Dr. rer. nat., TU Berlin, chair of committee)
- 2015 *Stefanie Hautz* (Dr. rer. medic., Charité-Universitätsmedizin Berlin, supervisor)

Supervision (Master students)

- 2018- **Mahela Sarpong** (MSc in Human Factors, TU Berlin)
- 2019 **Constance Hahn** (MSc in Human Factors, TU Berlin)
- 2019 **Inken Lohmann** (MSc in Human Factors, TU Berlin)
- 2019 **Christoph Rüger** (MSc in Biomedical Engineering, TU Berlin)
- 2019 **Julia Eberhardt** (MSc in Human Factors, TU Berlin)
- 2019 **Eric Stemmler** (MSc in Human Factors, TU Berlin)
- 2018 **Ina Pickenhan** (MSc in Public Health, Charité-Universitätsmedizin Berlin)
- 2018 **Fabian Rüsenberg** (MSc in Human Factors, TU Berlin)

Supervision (student assistants and interns)

- 2018 - 2019 **Lars Stablo** (Student Research Assistant, Technische Universität Berlin)
- Oct-Jan 2013 **Roman Prinz** (Intern from Leiden University, Leiden, the Netherlands)
- May-Aug 2011 **Frederica Stahl** (Intern from Harvard University, Cambridge, MA, USA)
- May-Aug 2011 **Anna-Marie Schürmann** (Intern, Open University, UK)
- 2010 - 2012 **Soo-Youn Lee** (Research Assistant from Free University, Berlin, Germany)
- May 2010 **Amelie Deister** (Intern from Charité-Universitätsmedizin Berlin)
- 2008 - 2009 **Melinda Goetz** (Research Assistant from Wright State University, USA)

Scientific committees / positions

- 2018 **Member of the Selection Committee**, German-American Fulbright Doctoral Program, Berlin, Germany.
- 2018 **Member of the Selection Committee**, W3-Professorship for “Cognitive Psychology and Cognitive Ergonomics”, Technische Universität Berlin, Germany.
- 2018 **Member of the Selection Committee**, W3-Professorship for “Technological systems in demographic change”, Technische Universität Berlin, Germany.
- 2018 **Member of the Program Committee “Work and Health”**. Public Health-Kongress Gesundheit und Armut, Berlin, Germany.
- 2017 **Vice Chair of the Selection Committee**, W2-Lichtenberg Professorship “Neuroadaptive Systems”, Technische Universität Berlin, Germany.
- 2014-2016 **Member of the Selection committee**, Erasmus Program (*European Community Action Scheme for the Mobility of University Students*) of the European Union (EU). Charité-Universitätsmedizin Berlin, Germany.
- 2014 **Faculty member**, Summer Institute on Bounded Rationality. Max Planck Institute for Human Development, Berlin, Germany.

- 2011 *Member of the Scientific Advisory Board*, "Bürgerdialog: Hightech Medizin – Welche Gesundheit wollen wir?" ["Public dialogue: high tech medicine – what kind of health do we want?"]. German Federal Ministry of Education and Research
- 2011 *Award Committee Member*, Human Factors and Ergonomics Society Health Care Technical Group Best Student Paper Award
- 2011 *Award Committee Member*, Human Factors and Ergonomics Society Cognitive Engineering and Decision Making Technical Group Best Student Paper Award
- 2011 *Member of the Selection committee*, Summer Institute on Bounded Rationality: Foundations of an interdisciplinary decision theory. Max Planck Institute for Human Development, Berlin, Germany.

Administrative committees / positions

- 04/2019 – *Chair of the Ethics Committee*, Department of Psychology and Ergonomics, Technische Universität Berlin, Germany
- 2019 – *Deputy Member of the Faculty Council (Faculty V)*
Technische Universität Berlin, Germany.
- 2018 – *Member of the Ethics Committee*, Department of Psychology and Ergonomics, Technische Universität Berlin, Germany
- 2017 – *Deputy Member of the Institutional Board*, Department of Psychology and Ergonomics, Technische Universität Berlin, Germany.
- 2015 – 2016 *Vice Director for Educational Affairs*
Charité – University Medicine Berlin
- 2012 – 2016 *Assistant to the Dean of Educational Affairs*
Responsible for issues related to Higher Education Law
Charité – University Medicine Berlin
- 2011 -2012 *Representative of the Scientific Staff*
Liaison between scientific staff and directorial board
Max Planck Institute for Human Development, Berlin, Germany.
- 2010 - 2012 *Webmaster* responsible for managing the Internet presence of the Center for Adaptive Behavior and Cognition at the Max Planck Institute for Human Development, Berlin, Germany.

Ad-hoc Reviewer

International Journal of Medical Informatics, International Journal of Industrial Ergonomics, European Journal of Psychological Assessment, Bulletin of the World Health Organization (WHO), Journal of Medical Internet Research, IEEE Transactions on Human-Machine Systems, Internal and Emergency Medicine, European Psychologist, PLoS One, Deutsche Akademische Auslandsamt (DAAD), Erasmus Program at Technische Universität Berlin

Professional affiliations

American Psychological Association (Division 21, 38)
 Deutsche Gesellschaft für Psychologie (DGPs)
 Human Factors and Ergonomics Society (HFES)
 Human Factors and Ergonomics Society (Europe Chapter)
 Gesellschaft für Arbeitswissenschaft (GfA)
 Deutsches Netzwerk Evidenzbasierte Medizin (DNEbM)

Press coverage

- April 2019 *„wer nicht denken will, fliegt raus“* Press release, Technische Universität Berlin, Nr. 62/2019. https://www.pressestelle.tu-berlin.de/menue/tub_medien/publikationen/medieninformationen/2019/april_2019/medieninformation_nr_622019/
- Jan 2019 *Kollege allein zu Haus.* [Colleagues home alone.] Interview published in Personalwirtschaft, Ausgabe 2, 2019.
- Jan 2019 *iKNOW – Was tun bei hohem Brustkrebsrisiko?* [What to do if you are at high risk for breast cancer?] Berlin University Alliance. <https://www.berlin-university-alliance.de/impressions/20190117-iknow/index.html>. (Archived at <http://www.webcitation.org/75UkUsUH6>)
- Dec 2017 *How can the understanding of medical statistics be improved?* Interview with the Internet platform “Latest Thinking”, Hamburg, Germany. <https://doi.org/10.21036/LTPUB10543>
- June 2014 *Risiko Mammographie.* [Mammography Screening Risks]. Interview with the lifestyle magazine “Closer”, Bauer Digital KG, Hamburg, Germany.
- April 2014 *Was wissen Europäer über Schlaganfall?* [What do Europeans know about Stroke?] Press conference of the initiative „Rote Karte dem Schlaganfall“ of Bayer Healthcare in cooperation with the Deutsche Schlaganfallhilfe [German Stroke Aid] and the Deutsche Sporthochschule Köln [German

- Sports University Cologne], Berlin, Germany. Archived at <http://www.webcitation.org/6Or9qwqc2>
- Sept 2012 *Beherrscht uns das Internet?* [Is the Internet controlling us?] Interview with „Der Tagesspiegel“, Berlin. Archived at: <http://www.webcitation.org/6Ay7G83NS>
- June 2012 *Im Gespräch mit Dr. Feufel: „Bürger wollen in die Versorgung einbezogen werden.“* [Interview with Dr. Feufel: Citizens want to participate in care delivery.] Interview with the „Büro Bürgerdialog“ [Office for the public dialog] of the Federal Ministry for Education and Research. Archived at: <http://www.webcitation.org/6A5NZxjcy>
- April 2012 *Wer die Gefahr kennt, entscheidet gut.* [Those who know the risks make good decisions] Interview with the “Aargauer Zeitung”, Zurich, Schweiz.
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