

Dr. André Calero Valdez

Curriculum Vitae

Personal Data

Date of Birth 22nd January 1981
Chair for Communication Science
Human-Computer Interaction Center
RWTH Aachen University
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Work Experience

- 1/2018–today **Junior Research Group Leader** at the RWTH Aachen University, Germany
5/2016 **Guest Researcher** at Prof. Katrien Verbert at the KU Leuven, Belgium
5/2016–today **Post-Doc/Senior Researcher** at the Chair for Communication Science, RWTH Aachen University. Permanent contract.
9/2014–4/2016 **Post-Doc/Senior Researcher** at the Human-Computer Interaction Center of the RWTH Aachen University. DFG-Project: EXC-128.
since 8/2014 **Visiting Professor** at Prof. Andreas Holzinger, Institut for medical informatics, statistics and documentation at the Medical University Graz, Austria
6/2011–8/2014 **Research Assistant** at the Human-Computer Interaction Center, RWTH Aachen University. DFG-Project: EXC-128, BMBF-Project: iNec 01HH11045
1/2009–6/2011 **Research Assistant** Human-Technology Center (HumTec), RWTH Aachen University.
5/2007–12/2008 **Computer Scientist** Atos Worldline GmbH, Aachen, Germany

Scientific Degrees

- 8/2014 **PhD Psychology**, Faculty of Philosophy of the RWTH Aachen, Disputation December 2013
- Topic: *Technology Acceptance and Diabetes - User-centered design of small-screen devices for patients with diabetes*
 - Grade: summa cum laude (with highest honor)

Academic Education and Degrees

- 10/2001 – 9/2007 **Course of Study: Computer Science Diplom**, RWTH Aachen University
- Major: Software-Construction
 - Minor: Psychology

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- Topic of Thesis: *Design of a Benchmark and a tool for measuring performance of database access layers*
- Grade: very good

Projects, Honors, and Awards

- 2018 E-Learning Project RWTH: "ShinyStats", Funding volume 5,000.- Euro
- 2018-2022 Junior Research Group: Digitale Mündigkeit, Funding volume 949,500.- Euro
- 2018-2020 BMBF-Project: SmartIdentifikation, Total funding volume 950,000.- Euro, Eigenanteil: 302,767.- Euro
- 2016-2017 RWTH-Grant: Getting around in Cyberspace, RWTH-Aachen Profile Area ICT. Together with Prof. Martina Ziefle, Prof. Leif Kobbelt, Funding volume 65,000.- Euro
- 2015 Borchers-Insignia of the proRWTH e.v. for an outstanding doctoral dissertation
- 2008-2011 RWTH Aachen University Doctoral Scholarship

Memberships

- Member of Gesellschaft für Informatik (GI)
- Member of Association for Computing Machinery (ACM)
- Member of Technical Committee: *Work with Computer Systems* (WWCS) of the International Ergonomics Association (IEA)
- Member Technical Committee: *Visual Ergonomics* of the International Ergonomics Association (IEA)
- Member of the Expert-Network: Human-Computer Interaction in Knowledge Discovery and Data-Mining (HCI-KDD)

Editorials/Reviews

- Head of Program Committee Human Factors in Information Visualization (HFIDSS), Workshops at the Mensch und Computer and HCI International Conferences
- Editorial-Board or Program Committee DHM Conference, USAB Conference, HCI-KDD Workshops, EnChiRes Workshops at ACM EICS, CD-MAKE Conference at ARES, HFIDSS-Workshops, HealthRecSys Workshops at ACM RecSys, BELIV Workshops at IEEE VIS
- Adhoc-Reviews Computers in Human Behavior, Interacting With Computers, International Journal of Human-Computer Studies, ACM SIGCHI, ACM MobileHCI, ACM TVX, IEEE Transactions on Visualization and Computer Graphics, IEEE Transactions on Knowledge and Data Engineering, BMC Medical Informatics and Decision Making, PlosOne, Political Psychology, International Journal of Health Policy, MDPI Journal Mathematics, MDPI Journal Entropy, MDPI Informatics, Journal Online Information Review, Journal Convergence, Pervasive Health Conference, Mensch und Computer Conference, Human-Computer Interaction International Conference, USAB Conference, South-Chi Conference

Bibliography

Articles published by outlets with scientific quality assurance, book publications, and works accepted for publication but not yet published.

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complexity in visual recommender systems for scientific literature. *Mensch und Computer 2016–Workshopband*, 2016.

- [2] Firat Alagöz, André Calero Valdez, Wiktoria Wilkowska, Martina Ziefle, Stefan Dorner, and Andreas Holzinger. From cloud computing to mobile internet, from user focus to culture and hedonism: the crucible of mobile health care and wellness applications. In *Pervasive Computing and Applications (ICPCA), 2010 5th International Conference on*, pages 38–45. IEEE, 2010.
- [3] Firat Alagöz, Martina Ziefle, Wiktoria Wilkowska, and André Calero Valdez. Openness to accept medical technology—a cultural view. In *Symposium of the Austrian HCI and Usability Engineering Group*, pages 151–170. Springer, Berlin, Heidelberg, 2011.
- [4] Jens Bender, André Calero Valdez, Jens Hofmann, Mareen Kerger, Ann-Kathrin Oprée, Anne Kathrin Schaar, and Jan Siegers. Das projekt inc. In *Zukunft gestalten: Soziale Technologien in Organisationen in Zeiten des demografischen Wandels*, volume 15, pages 13–17. FIR e.V. an der RWTH Aachen, 2015.
- [5] Philipp Brauner, André Calero Valdez, Ralf Philippsen, and Martina Ziefle. Defective still deflective—how correctness of decision support systems influences user’s performance in production environments. In *International Conference on HCI in Business, Government and Organizations*, pages 16–27. Springer, Cham, 2016.
- [6] Philipp Brauner, André Calero Valdez, Ralf Philippsen, and Martina Ziefle. On studying human factors in complex cyber-physical systems. *Mensch und Computer 2016–Workshopband*, 2016.
- [7] Philipp Brauner, André Calero Valdez, Ralf Philippsen, and Martina Ziefle. How correct and defect decision support systems influence trust, compliance, and performance in supply chain and quality management. In *International Conference on HCI in Business, Government, and Organizations*, pages 333–348. Springer, Cham, 2017.
- [8] Philipp Brauner, André Calero Valdez, Ulrik Schroeder, and Martina Ziefle. Increase physical fitness and create health awareness through exergames and gamification. In *Human factors in computing and informatics*, pages 349–362. Springer, Berlin, Heidelberg, 2013.
- [9] Philipp Brauner, Ralf Philippsen, André Calero Valdez, and Martina Ziefle. The interaction of causal attribution of performance and compliance with decision support systems in cyber-physical production systems—an empirical study using a business simulation game. In *International Conference on Applied Human Factors and Ergonomics*, pages 11–23. Springer, Cham, 2017.
- [10] Philipp Brauner, Ralf Philippsen, André Calero Valdez, and Martina Ziefle. Human interaction under risk in cyber-physical production systems. In *Congress of the International Ergonomics Association*, pages 421–430. Springer, Cham, 2018.
- [11] Juliana Brell, André Calero Valdez, Anne Kathrin Schaar, and Martina Ziefle. Gender differences in usage motivation for social networks at work. In *International Conference on Learning and Collaboration Technologies*, pages 663–674. Springer, Cham, 2016.
- [12] Simon Bruns, André Calero Valdez, Christoph Greven, Martina Ziefle, and Ulrik Schroeder. What should i read next? a personalized visual publication recommender system. In *International Conference on Human Interface and the Management of Information*, pages 89–100. Springer, Cham, 2015.
- [13] Mark Bukowski, André Calero Valdez, Martina Ziefle, Thomas Schmitz-Rode, and Robert Farkas. Hybrid collaboration recommendation from bibliometric data. In *Second International Workshop on Health Recommender Systems*, page 36, 2017.

- [14] André Calero Valdez. Technology acceptance and diabetes : User centered design of small screen devices for diabetes patients, 2014.
- [15] André Calero Valdez, Philipp Brauner, Anne Kathrin Schaar, Andreas Holzinger, and Martina Ziefle. Reducing complexity with simplicity-usability methods for industry 4.0. In *Proceedings 19th Triennial Congress of the IEA*, volume 9, page 14, 2015.
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- [78] Thomas Thiele, Stefan Schröder, André Calero-Valdez, Claudia Jooß, Anja Richert, Martina Ziefle, Ingrid Isenhardt, and Sabina Jeschke. Unterstützung interdisziplinärer integration am beispiel
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einer exzellenzcluster-community. In *Automation, Communication and Cybernetics in Science and Engineering 2015/2016*, pages 193–201. Springer, Cham, 2016.

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