Dr. André Calero Valdez

Junior Research Group Leader, AkadOR

Human-Computer Interaction, Information Visualization, Recommender Systems, Industry 4.0, eHealth, Social Implications, Technology Acceptance

Personal Information

Date of Birth	22nd January 1981
Marital Status	Married to Eva-Maria Peters (Teacher Sek2)
Children	1 Daughter (2 years old)
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	52064 Aachen, Germany
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Scholarly Metrics

Citations	943
h-index	17
i10-index	29
Acquired 3rd party Funding	approx. €1.3 Mio

Work Experience

2018–Present   **Head of Consortium SmartIdentifikation**, RWTH Aachen University, Germany.
- Collaborative Project: Germany/Austria
- Role: Project Lead. Team: 1 PhD students, 2 student assistants

2018–Present   **Junior Research Group Leader**, RWTH Aachen University, Germany.
- Junior research group Digitale Mündigkeit
- Role: Project Lead. Team: 3 PhD students, 2 student assistants

2016	**Guest Researcher**, *Prof. Katrien Verbert*, KU Leuven, Belgium.

- HCI in Recommendation Systems

2016–Present	**Post-Doc/Senior Researcher**, *Prof. Martina Ziefle*, Chair for Communication Science, RWTH Aachen University.

- Permanent contract. Akademischer Oberrat.

2014–2016	**Post-Doc/Senior Researcher**, *Prof. Martina Ziefle*, Human-Computer Interaction Center, RWTH Aachen University.

- DFG-Project: EXC-128 - Integrative Production Technology for High Wage Countries

2014–Present	**Visiting Professor**, *Prof. Andreas Holzinger*, Institut for medical informatics, statistics and documentation at the Medical University Graz, Austria.

- HCI in Knowledge Discovery and Machine Learning

2011–2014	**Research Assistant**, *Prof. Martina Ziefle*, Human-Computer Interaction Center, RWTH Aachen University.

- DFG-Project: EXC-128
- BMBF-Project: iNec 01HH11045 - Innovation by Way of Experts Communities during Demographic Change

2009–2011	**Research Assistant**, *Prof. Martina Ziefle*, Human-Technology Center (HumTec), RWTH Aachen University.

- BMBF-Project: Cairo

2007–2008	**Computer Scientist**, *Atos Worldline*, Aachen, Germany.

- Establish code review guidelines for OWASP security
- Explore platform options for payment-platform (Java EE)

Scientific Degrees

2007–2008	**PhD Psychology**, *Faculty of Philosophy*, RWTH Aachen University.

- Topic:Technology Acceptance and Diabetes - User-centered design of small-screen devices for patients with diabetes
- Grade: summa cum laude (with highest honor)

Education

2001–2007	**Course of Study: Computer Science Diplom**, *Faculty of Mathematics, Computer Science, and Natural Sciences*, RWTH Aachen University, Germany.

- Major: Software-Construction
- Minor: Psychology
- Topic of Thesis: Design of a Benchmark and a tool for measuring performance of database access layers
- Grade: very good

Teaching Experience

2018–Present	**Doctoral Colloquium**, *every semester*, PhD Computer Science/Technical-Communication.

- In this course PhD students learn advanced research methods (systematic literature review, structural equation modeling, machine learning, agent-based modeling in Julia).

2017   **Agent-Based Modelling (seminar)**, *once*, M.A. Digital Media Communication.

- In this seminar students learnt to programm social simulations in Netlogo and should address complex systems research questions in the context of social media.

2016–Present   **Methods of technical communication (research plenary)**, *every semester*, B.Sc. Technikkommunikation.

- In this course students conduct reasearch in small groups and write short scientific articles. The topic changes every semester.

2016–Present   **Visual Recommender Systems (proseminar)**, *every summer*, B.Sc. Computer Science.

- In this course students present the content of a scientific paper and write a short thesis about visual recommender systems.

2016–Present   **Information Visualization and Language (seminar)**, *every summer*, M.A. Digital Media Communication.

- In this seminar students learn to programm interactive information visualizations using open data sets or text-mining tools.
- The programming language used in first iterations was Processing.
- Currently, the course uses R, RMarkdown, Shiny and GGPlot as a programming environment.

2015–Present   **Advanced Empirical Methods for social scientists (lecture)**, *every winter*, M.A. Digital Media Communication.

- In this lecture students learn advanced methods of social empirical research using the R Language (systematic literature review, formulating a research question, measurement theory, data collection, statistical evaluation, reporting).
- Teaching assistant in 2015 and 2016. Held the lecture in 2017, 2018, and 2019.
- Transitioned the course from using SPSS to R for statistical analyses in 2018.
- This lecture is accompanied by a seminar, where students apply the theoretical knowledge on a real life scenario.

2015–Present   **Application seminar (seminar)**, *every winter*, M.A. Digital Media Communication.

- Accompanying seminar to Advanced Empirical Methods for social scientists.

2014–Present   **Interdisciplinary Publishing (graduate seminar)**, *every semester*, All PhD students at RWTH.

- In this seminar, aimed at doctoral students, participants learn about scientific publishing, scientific metrics, ethics in science and open access publishing.

2013–Present   **Forms of representation in science (ring lecture)**, *every winter*, B.A. Linguistics and Communication Science.

- In this lecture students learn about the visual display of quantitative information and networked data.

2013–Present   **Usability, User Diversity, Technology acceptance (seminar)**, *every winter*, M.A. Digital Media Communication, M.Sc. Technical Communication, M.Sc. Mobility and Logistics.

- In this seminar students try to answer a self-chosen research question.
- Students in this course may pick their methods (qualitative, quantitative).
- In 2018 half of the course chose social-media-mining methods to understand public discourse in media.

2012–Present	**Bachelor colloquium (colloquium)**, *every winter + some summers when needed*, B.Sc. Technical communication.
	○ In this colloquium students learn the craft of scientific writing and how to structure a research report.
2011–Present	**Interaction and Communication between Humans and Technology (seminar)**, *once*, MA Linguistics and Communication Science.
	○ In this seminar students jointly conducted research about social media and usage motivation.
2011–Present	**Research internship (internship)**, *held twice*, B.Sc. Technical communication.
	○ In this full-time practice students had to develop their own small research question and collaborate with other participants to improve the effectiveness during a 4-week internship.
2009–2010	**Webtechnologies (colloquium)**, *once*, M.Sc. Computer Science.
	○ In this colloquium students learnt to programm interactive websites using PHP and Java EE

Invited Guest Lectures

2019-04-02	**Quantiative Evaluation of Information Visualization**, *BISS Brightlands Smart Services Campus - Zuyd Hogeschool*, Heerlen, NL.
2019-02-26	**User-Centered Design of Information Visualization**, *BISS Brightlands Smart Services Campus - Zuyd Hogeschool*, Heerlen, NL.
2018-11-29	**Trump, Brexit und die AFD. Verändert Facebook unsere Demokratie?**, *Rotary Aachen*, Aachen, Germany.
2018-11-17	**Trump, Brexit und die AFD. Verändert Facebook unsere Demokratie?**, *VVdst*, Aachen, Germany.
2016-05-24	**Connecting Data with Humans**, KU Leuven, Belgium.
2016-05-20	**Empirische Kommunikationswissenschaften**, *Bundesfachschaftstagung der Kommunikationswissenschaften*, RWTH Aachen University, Germany.

Grants, Awards and Honors

2019	Best Paper Award: "Hey, Siri", "Ok, Google", "Alexa". Acceptance-relevant factors of virtual voice-assistants IEEE Conference on Professional Communication
2018	Grant: E-Learning Project: ShinyStats, Funding volume 5,000.- Euro. RWTH Digitization Fund
2018	Grant: SmartIdentifikation, Total funding volume 950,000.- Euro, Own share: 302,767.- Euro. BMBF

2018   Best Poster Award: Political Opinions of Us and Them and the Influence of Digital Media Usage. EuroCSS 2013 Conference

2017   Grant: Junior Research Group: Digitale Mündigkeit, Funding volume 949,500.- Euro. NRW

2017   Grant: Getting around in Cyberspace. Together with Prof. Martina Ziefle, Prof. Leif Kobbelt, Funding volume (own share) 65,000.- Euro. RWTH-Aachen Profile Area for Information and Communication Technology

2014   Award: Borchers-Insignia of the proRWTH e.v. for an outstandig doctoral dissertation RWTH Aachen University Doctoral Scholarship. RWTH Aachen University

2013   Best Paper Award: The Impact of User Diversity on the Willingness to Disclose Personal Information in Social Network Services. SoutCHI 2013 Conference

2013   Best Presentation Award: Personality Influences on Etiquette Requirements for Social Media in the Work Context. SoutCHI 2013 Conference

2011   Best Paper Award: Openness to Accept Medical Technology - A Cultural View. USAB 2011 Conferences

2009   Grant: RWTH Aachen University Doctoral Scholarship for Students with excellent degrees. RWTH Aachen University

Presentations

Talks

Sep 2019   **Towards an Understanding of Opinion Formation on the Internet - Using a Latent Process Model to Understand the Spread of Information on Social Media**, *European Social Simulation Conference*, Mainz, DE.

Jul 2019   **Trends and Changes in the Field of HCI the Last Decade from the Perspective of HCII Conference**, *Human-Computer Interaction International*, Orlando, USA.

Jul 2019   **Computational Methods in Professional Communication**, *IEEE Professional Communication*, Aachen, Germany.

Feb 2019   **Human and Algorithmic Contributions to Misinformation Online - Identifying the Culprit (Keynote)**, *Misdoom Conference*, Hamburg.

Jan 2019   **Industry 4.0 and its Future Staff. Matching Millennials Perceptions of a Perfect Job with the Requirements of Digitalization**, *Competitive Manufacturing Conference (COMA)*, Stellenbosch, ZA.

Jan 2019	**Predicting Acceptance of Novel Technology from Social Network Data- An Agent-based Simulation-Approach**, *Competitive Manufacturing Conference (COMA)*, Stellenbosch, ZA.
Okt 2018	**Requirements for Reproducibility of Geo-Spatial Visualizations (invited panel talk)**, *IEEE VIS, Beliv Workshop*, Berlin, Germany.
Jul 2018	**Human-Factors in the Age of Algorithms**, *Human-Computer Interaction International*, Las Vegas, USA.
Jul 2018	**Believability of Fake News**, *Triennial Congress of the international ergonomics association (IEA)*, Florence, Italy.
Mär 2018	**Acceptance of a paper-based digital diabetes diary**, *ICT4AWE Conference*, Madeira, Portugal.
Mär 2018	**E-Coaching for the elderly – Recommender Systems in Health (invited panel talk)**, *ICT4AWE Conference*, Madeira, Portugal.
Jul 2017	**Measuring Insight Into Multi-Dimensional Data from a Combination of a Scatterplot Matrix and a Hyperslice Visualization**, *Human-Computer Interaction International 2017*, Vancouver, Canada.
Jul 2017	**Industrie 4.0 and an Aging Workforce – A Discussion from a Psychological and a Managerial Perspective**, *Human-Computer Interaction International 2017*, Vancouver, Canada.
Okt 2016	**HCI for Recommender Systems, the Past, the Present and the Future**, *ACM RecSys 2016*, MIT, Boston, USA.
Sep 2016	**Human Factors in Information Visualization and Decision Support Systems**, *Mensch und Computer 2016*, RWTH Aachen University, Germany.
Jul 2016	**Visualizing Opportunities of Collaboration in Large Research Organizations**, *Human-Computer Interaction International 2016*, Toronto, Kanada.
Jul 2016	**Using Liferay as an Interdisiplinary Scientific Collaboration Portal**, *Human-Computer Interaction International 2016*, Toronto, Kanada.
Jul 2016	**Strategic Knowledge Management for Interdisciplinary Teams. Overcoming Barriers of Interdisciplinary Work via an Online Portal Approach**, *Human-Computer Interaction International 2016*, Toronto, Kanada.

Jan 2016	**Preparing Production Systems for the Internet of Things**, *International Conference on Competitive Manufacturing (COMA)*, Stellenbosch, South Africa.
Aug 2015	**Reducing Complexity with Simplicity**, *International Ergonomics Association Triennial Summit*, Melbourne, Australia.
Jul 2015	**What should I read next?**, *Human-Computer Interaction International Conference*, Los Angeles, USA.
Jul 2015	**What do my colleagues know?**, *Human-Computer Interaction International Conference*, Los Angeles, USA.
Jul 2015	**Older users rejection of mobile health apps**, *Human-Computer Interaction International Conference*, Los Angeles, USA.
Jul 2015	**On the visual design of enterprise resource systems**, *Applied Human Factors and Ergonomics 2015*, Las Vegas, USA.
Jul 2015	**Orchestrating collaboration - Visual collaboration suggestions in large research clusters**, *Applied Human Factors and Ergonomics 2015*, Las Vegas, USA.
Jul 2015	**User-centered design of business communities. The influence of user diversity on motivation to use**, *Applied Human Factors and Ergonomics 2015*, Las Vegas, USA.
Jul 2014	**Reasons for using social networks professionally**, *Human Computer Interaction International 2014*, Crete, Greece.
Jul 2014	**Enhancing interdisciplinary collaboration in large research clusters**, *Human Computer Interaction International 2014*, Crete, Greece.
Okt 2013	**Scientific Cooperation Engineering**, *10th International Conference on Webometrics, Informetrics, and Scientometrics*, Illmenau, Germany.
Sep 2013	**Graph entropy measures in publication network data**, *CD-ARES 2013*, Regensburg, Germany.
Jun 2013	**Information disclosure in social networks**, *SouthChi-Conference 2013*, Maribor, Slovenia.
	○ Best presentation award

Jun 2013	**Netiquette for the work environment**, *SouthChi-Conference 2013*, Maribor, Slovenia.
Feb 2012	**Social Networking Sites in the work environment**, *International Ergonomics Association Triennial Summit*, Recife, Brazil.
Jul 2010	**Mental Models of Menu Structures in Diabetes Assistants**, *12th ICCHP-International Conference on Computers helping people with special needs*, Vienna, Austria.
Jun 2010	**Task-Performance in mobile and ambient interfaces for an electronic diabetes assistant**, *iSociety 2010*, London, United Kingdom.
Jul 2009	**Effects of Aging and Domain Knowledge on Usability in a Diabetes Small Screen Device**, *USAB 2009*, Linz, Austria.

Service

Memberships

Member of Gesellschaft für Informatik (GI)

Member of Association for Computing Machinery (ACM)

Member of Institute of Electrical and Electronics Engineers (IEEE)

Member of Technical Comittee: Work with Computer Systems (WWCS) of the International Ergonomics Association (IEA)

Member Technical Comittee: Visual Ergonomics of the International Ergonomics Association (IEA)

Member of the Expert-Network: Human-Computer Interaction in Knowledge Discovery and Data-Mining (HCI-KDD)

Member of the European Social Simulation Association (ESSA)

Manuscript Reviews

Adhoc reviews Computers in Human Behavior, Interacting With Computers, International Journal of Human-Computer Studies, ACM RecSys, ACM SIGCHI, ACM MobileHCI, ACM TVX, IEEE VIS, IEEE Transactions on Visualization and Computer Graphics, IEEE Transactions on Knowledge and Data Engineering, Wirtschafts-Informatik, 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

Editorial-Board or Program Committee	ACM SigCHI Associate Editor Late Breaking Results, Digital Human Modeling Conference, BELIV Workshops at IEEE VIS, WirtschaftsInformatik(WI), HealthRecSys Workshops at ACM RecSys, UMAP Conference, EnChiRes Workshops at ACM EICS, CD-MAKE Conference at ARES, USAB Conference, HCI-KDD Workshops, HFIDSS-Workshops
Head of Program Committee	Human Factors in Information Visualization (HFIDSS), Workshops at the Mensch und Computer and HCI International Conferences

Academic Services

2019–Present   **Faculty Tenure-Track Commission**, *RWTH Aachen University*, Elected Member.
- Determine tenure track evaluation criteria

2017–Present   **Teaching-Coordinator**, *Course of Study: Digital Media Communication (M.A.)*, Institute for Linguistics and Communication Science, RWTH Aachen University.
- Responsible for managing online catalogues, tracking of teaching duties, Exam management, Student troubleshooting

2016–Present   **Coordinator International Office**, *Institute for Linguistics and Communication Science*, RWTH Aachen University.
- Responsible for Erasmus+ exchange students and staff mobility
- Coordination of all other international student activities

2016   **Committee work**, *Professorship Computational methods in Social Sciences (W3)*, Faculty of Philosophy, RWTH Aachen University.
- Elected committee member

2016   **Committee work**, *Professorship Philosophy of Science (W3)*, Faculty of Philosophy, RWTH Aachen University.
- Elected deputy committee member

2017   **Committee work**, *Professorship Auditive Cognition (W2)*, Faculty of Philosophy, RWTH Aachen University.
- Elected committee member

2016   **Accreditation work**, *Course of Study: Digital Media Communication (M.A.)*, Institute for Linguistics and communication science, RWTH Aachen University.
- Responsible for the preparation of the module manual and the study plan.

2019   **Grant Proposal Review**, *Commission for scientific evaluation*, ETH Zürich, Switzerland.
- Review of International Large Scale Research Proposal

2018   **Advisory**, *BMBF/VDI/VDE Innovation + Technik GmbH*, Stuttgart.
- Invited Talk: Future Topics in HCI Research
- Advisory for future BMBF programme concepts

2018   **Advisory**, *BMBF/Deutsches Zentrum für Luft und Raumfahrt (DLR) e.V.*, Bonn.
- Advisory for 9th Framework EU programme concepts

Bibliography

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

Citations are retrieved from Google Scholar on 23th November 2019.

1. Laura Burbach, Poornima Belavadi, Nils Plettenberg, Johannes Nakayama, **André Calero Valdez** (2020). Using agent-based modeling to simulate the influence of different recommender systems on news exposure and thematic polarization. In: *Communication Methods and Measures* **(submitted)**

2. **André Calero Valdez**, M Ziefle (2019). The users' perspective on the privacy-utility trade-offs in health recommender systems. In: *International Journal of Human-Computer Studies*, 121, 108-121 (cited 21 times)

3. P Brauner, R Philipsen, **André Calero Valdez**, M Ziefle (2019). What happens when decision support systems fail?—the importance of usability on performance in erroneous systems. In: *Behaviour & Information Technology*, 1-18 (cited 2 times)

4. **André Calero Valdez**, M Ziefle (2019). Predicting Acceptance of Novel Technology from Social Network Data-An Agent-based Simulation-Approach. In: *International Conference on Competitive Manufacturing* (cited 1 times)

5. P Halbach, L Burbach, M Ziefle, **André Calero Valdez** (2019). Follow Me: The Impact of Opinion Majorities in Social Networks and the Role of Digital Maturity. In: *International Conference on Human-Computer Interaction*, 488-500

6. L Burbach, P Halbach, M Ziefle, **André Calero Valdez** (2019). Bubble Trouble: Strategies Against Filter Bubbles in Online Social Networks. In: *International Conference on Human-Computer Interaction*, 441-456

7. **André Calero Valdez**, M Ziefle (2019). Trends and Changes in the Field of HCI the Last Decade from the Perspective of HCII Conference. In: *International Conference on Human-Computer Interaction*, 31-45

8. L Burbach, P Halbach, N Plettenberg, J Nakayama, M Ziefle, **André Calero Valdez** (2019). "Hey, Siri"," Ok, Google"," Alexa". Acceptance-Relevant Factors of Virtual Voice-Assistants. , 2019 IEEE International Professional Communication Conference (ProComm), 101-111

9. P Halbach, L Burbach, J Nakayama, N Plettenberg, M Ziefle, **André Calero Valdez** (2019). Would I Lie to You? How Users Evaluate Faked Online Content Depending on Its Publication Type. , 2019 IEEE International Professional Communication Conference (ProComm), 56-64

10. **André Calero Valdez**, L Adam, D Assenmacher, L Burbach, M Bonart, L Frischlich, et al. (2019). Computational Methods in Professional Communication. , 2019 IEEE International Professional Communication Conference (ProComm), 275-285

11. J Nakayama, N Plettenberg, P Halbach, L Burbach, M Ziefle, **André Calero Valdez** (2019). Trust in Cyber Security Recommendations. , 2019 IEEE International Professional Communication Conference (ProComm), 48-55

12. L Burbach, P Halbach, M Ziefle, **André Calero Valdez** (2019). Who Shares Fake News in Online Social Networks?. In: *Proceedings of the*, 27th ACM Conference on User Modeling, Adaptation and

13. LS Vervier, **André Calero Valdez**, M Ziefle (2019). "Attitude"-mHealth Apps and Users' Insights: An Empirical Approach to Understand the Antecedents of Attitudes towards mHealth Applications. In: *ICT*, T4AWE - 5th International Conference on Information and Communication

14. AK Schaar, **André Calero Valdez**, T Hamann, M Ziefle (2019). INDUSTRY 4.0 AND ITS FUTURE STAFF. MATCHING MILLENNIALS PERCEPTIONS OF A PERFECT JOB WITH

THE REQUIREMENTS OF DIGITALIZATION. In: *International Conference on Competitive Manufacturing*

15. **André Calero Valdez** (2019). Human and Algorithmic Contributions to Misinformation Online - Identifying the Culprit. In: *MISDOOM Conference* **(accepted)**

16. Laura Burbach, Patrick Halbach, Nils Plettenberg, Johannes Nakayama, Martina Ziefle, **André Calero Valdez** (2019). Towards an Understanding of Opinion Formation on the Internet - Using a Latent Process Model to Understand the Spread of Information on Social Media. In: *European Conference on Social Simulation ESSA* **(accepted)**

17. P Schmitz, J Hildebrandt, **André Calero Valdez**, L Kobbelt, M Ziefle (2018). You spin my head right round: Threshold of limited immersion for rotation gains in redirected walking. In: *IEEE transactions on visualization and computer graphics*, 24 (4), 1623-1632 (cited 15 times)

18. L Burbach, J Nakayama, N Plettenberg, M Ziefle, **André Calero Valdez** (2018). User preferences in recommendation algorithms: the influence of user diversity, trust, and product category on privacy perceptions in recommender algorithms. In: *Proceedings of the*, 12th ACM Conference on Recommender Systems, 306-310 (cited 5 times)

19. **André Calero Valdez**, J Brell, AK Schaar, M Ziefle (2018). The diversity of why: a meta-analytical study of usage motivation in enterprise social networks. In: *Universal Access in the Information Society*, 17 (3), 549-566 (cited 5 times)

20. **André Calero Valdez**, M Ziefle (2018). Believability of News. In: *Congress of the International Ergonomics Association*, 469-477 (cited 2 times)

21. **André Calero Valdez**, M Ziefle (2018). Human Factors in the Age of Algorithms. Understanding the Human-in-the-loop Using Agent-Based Modeling. In: *International Conference on Social Computing and Social Media*, 357-371 (cited 2 times)

22. **André Calero Valdez**, L Burbach, M Ziefle (2018). Political Opinions of Us and Them and the Influence of Digital Media Usage. In: *International Conference on Social Computing and Social Media*, 189-202 (cited 2 times)

23. M Ziefle, **André Calero Valdez** (2018). Decisions About Medical Data Disclosure in the Internet: An Age Perspective. In: *International Conference on Human Aspects of IT for the Aged Population*, 186-201 (cited 2 times)

24. J Hildebrandt, P Schmitz, **André Calero Valdez**, L Kobbelt, M Ziefle (2018). Get Well Soon! Human Factors' Influence on Cybersickness after Redirected Walking Exposure in Virtual Reality. In: *International Conference on Virtual, Augmented and Mixed Reality*, 82-101 (cited 2 times)

25. **André Calero Valdez**, J Kluge, M Ziefle (2018). Elitism, trust, opinion leadership and politics in social protests in Germany. In: *Energy Research & Social Science*, 43, 132-143 (cited 1 times)

26. L Vervier, **André Calero Valdez**, M Ziefle (2018). "Should I Trust or Should I Go?" or What Makes Health-Related Websites Appear Trustworthy?-An Empirical Approach of Perceived Credibility of Digital Health Information and the Influence of User Diversity. In: *International Conference on Information and Communication Technologies for Ageing Well and e-Health* (cited 1 times)

27. **André Calero Valdez**, AK Schaar, JR Hildebrandt, M Ziefle (2018). Requirements for Reproducibility of Research in Situational and Spatio-Temporal Visualization. In: *BELIV Workshop at VIS*, S2018 (cited 1 times)

28. J Nakayama, N Plettenberg, L Burbach, **André Calero Valdez** (2018). Similarity of Search Results in the Datenspende BTW17 Dataset-CSS Data Challenge 2018. In: *EuroCSS*, 2018 2

29. S Müller-Abdelrazeq, P Brauner, **André Calero Valdez**, U Jansen, L Platte, et al. (2018). Interdisciplinary Cooperation Management in Research Clusters: A Review of Twelve Years. In: *ICICKM*, 2018 15th International Conference on Intellectual Capital Knowledge

30. P Brauner, R Philipsen, **André Calero Valdez**, M Ziefle (2018). Human Interaction Under Risk in Cyber-Physical Production Systems. In: *Congress of the International Ergonomics Association*, 421-430

31. R Philipsen, P Brauner, **André Calero Valdez**, M Ziefle (2018). Evaluating Strategies to Restore Trust in Decision Support Systems in Cross-Company Cooperation. In: *International Conference on Applied Human Factors and Ergonomics*, 115-126

32. **André Calero Valdez**, M Ziefle (2018). Studying the Acceptance of a Digital Diabetes Diaries. In: *International Conference on Information and Communication Technologies for Ageing Well and e-Health*

33. L Vervier, **André Calero Valdez**, M Ziefle (2018). "In Clarity We Trust!"-An Empirical Study of Factors that Affect the Credibility of Health-Related Information on Websites. In: *International Conference on Information and Communication Technologies for Ageing Well and e-Health*

34. **André Calero Valdez**, M Ziefle, M Sedlmair (2018). Studying Biases in Visualization Research: Framework and Methods. In: *Cognitive Biases in Visualizations*, 13-27

35. **André Calero Valdez**, M Ziefle (2018). Acceptance of a Digital Paper-based Diabetes Diary. , 4th International Conference on Information and Communication Technologies

36. H Schäfer, S Hors-Fraile, RP Karumur, **André Calero Valdez**, A Said, et al. (2017). Towards health (aware) recommender systems. In: *Proceedings of the*, 2017 international conference on digital health, 157-161 (cited 34 times)

37. **André Calero Valdez**, M Ziefle, M Sedlmair (2017). Priming and anchoring effects in visualization. In: *IEEE transactions on visualization and computer graphics*, 24 (1), 584-594 (cited 26 times)

38. **André Calero Valdez**, M Ziefle, M Sedlmair (2017). A Framework for Studying Biases in Visualization Research. In: *DECISIVe*, 2017 2 (cited 12 times)

39. M Schinner, **André Calero Valdez**, E Noll, AK Schaar, P Letmathe, M Ziefle (2017). 'Industrie 4.0'and an Aging Workforce–A Discussion from a Psychological and a Managerial Perspective. In: *International Conference on Human Aspects of IT for the Aged Population*, 537-556 (cited 5 times)

40. P Brauner, **André Calero Valdez**, R Philipsen, M Ziefle (2017). 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* (cited 5 times)

41. M Ziefle, **André Calero Valdez** (2017). Domestic robots for homecare: a technology acceptance perspective. In: *International Conference on Human Aspects of IT for the Aged Population*, 57-74 (cited 4 times)

42. D Elsweiler, S Hors-Fraile, B Ludwig, A Said, H Schäfer, C Trattner, et al. (2017). Second workshop on health recommender systems:(healthrecsys 2017). In: *Proceedings of the Eleventh ACM Conference on Recommender Systems*, 374-375 (cited 2 times)

43. P Brauner, R Philipsen, **André Calero Valdez**, M Ziefle (2017). The Interaction of Causal Attribution of Performance and Compliance with Decision Support Systems in Cyber-Physical Production Systems-An Empirical Study Using a Business . . . . In: *International Conference on Applied Human Factors and Ergonomics*, 11-23 (cited 2 times)

44. C Mendez, V Lukarov, C Greven, **André Calero Valdez**, F Dietze, U Schroeder, et al. (2017). User Groups and Different Levels of Control in Recommender Systems. In: *International Conference on Digital Human Modeling and Applications in Health, Safety, Ergonomics and Risk Management* (cited 2 times)

45. T Thiele, **André Calero Valdez**, S Stiehm, A Richert, M Ziefle, S Jeschke (2017). Augmenting

research cooperation in production engineering with data analytics. In: *Production Engineering*, 11 (2), 213-220 (cited 2 times)

46. **André Calero Valdez**, S Gebhardt, TW Kuhlen, M Ziefle (2017). Measuring Insight into Multi-dimensional Data from a Combination of a Scatterplot Matrix and a HyperSlice Visualization. In: *International Conference on Digital Human Modeling and Applications in Health, Safety, Ergonomics and Risk Management* (cited 1 times)

47. M Bukowski, **André Calero Valdez**, M Ziefle, T Schmitz-Rode, R Farkas (2017). Hybrid collaboration recommendation from bibliometric data. In: *Second International Workshop on Health Recommender Systems*, 36

48. F Dietze, **André Calero Valdez**, J Karoff, C Greven, U Schroeder, M Ziefle (2017). That's so Meta! Usability of a Hypergraph-Based Discussion Model. In: *International Conference on Digital Human Modeling and Applications in Health, Safety, Ergonomics and Risk Management*

49. S Jeschke, W Bleck, A Richert, G Schuh, W Schulz, M Ziefle, A Bräkling, et al. (2017). Scientific Cooperation Engineering. In: *Integrative Production Technology*, 993-1046

50. **André Calero Valdez**, M Ziefle, K Verbert, A Felfernig, A Holzinger (2016). Recommender systems for health informatics: state-of-the-art and future perspectives. In: *Machine Learning for Health Informatics*, 391-414 (cited 47 times)

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