Jonas Oppenlaender

Senior Researcher   jonas.oppenlaender@fiz-karlsruhe.de
Information Service Engineering (ISE)
FIZ Karlsruhe – Leibniz Institute for Information Infrastructure
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Education

PhD in Computer Science	2021 (exp.)
Crowd Computing, Center for Ubiquitous Computing, University of Oulu	
Master of Science in Computer Science (with distinction)	2015
Web and Internet Science Research Group, University of Southampton	
Certificate in Business Analysis	2013
School of Continuing Studies, University of Toronto	
Diplom-Wirtschaftsingenieur (Master of Science in Industrial Engineering)	2011
Technical University of Darmstadt	

Professional Experience

Senior Researcher	2021 – today
Information Service Engineering (ISE), FIZ Karlsruhe, Germany	
Doctoral Researcher	2018 – 2021
Crowd Computing, University of Oulu, Finland	
Research Assistant (Wissenschaftlicher Mitarbeiter)	2016 – 2018
Human-Centered Computing, Freie Universität Berlin, Germany	
Research Assistant (Wissenschaftlicher Mitarbeiter)	2016 – 2017
Cluster of Excellence *"Image Knowledge Gestaltung"*, Berlin, Germany	
Full-Stack Web Developer	2016
Liip AG, Bern, Switzerland	
Linked Data Developer	2015 – 2016
Seme4 Ltd., Southampton, United Kingdom	
Business Analyst	2013 – 2014
Alstom IS&T, Paris, France	
Strategy Analyst Trainee	2011 – 2012
Alstom Power, Baden, Switzerland	
Full-Stack Web Developer (Freelance)	2008 – 2013
Darmstadt, Germany	
Military Service	2000 – 2002
Franco-German Brigade, Donaueschingen, Germany	

Academic Projects as Principal Investigator

1. Folk Theories for a Better Understanding of Human-AI Interaction   since 2021
2. Crowdsourcing Creative Work   2018 – 2021
3. CrowdUI   2015, 2018 – 2020

Academic Projects as Research Member

1. NFDI4Culture, FIZ Karlsruhe   since 2021
2. GenZ strategic profiling project, University of Oulu (Academy of Finland 318930)   2020 – 2021
3. 6G Flagship (Academy of Finland 318927)   2018 – 2021
4. IKON, Freie Universität Berlin & Museum of Natural History, Berlin   2016 – 2018
5. ID+LAB, Cluster of Excellence "Image Knowledge Gestaltung"   2016 – 2017

Industry Projects as Research Member
1. SkillsPlanner.net, Seme4 Ltd.   2015 – 2016

Research Visits and Volunteering

Volunteer Local Economic Development Department, Radoviš, Macedonia	2010
Erasmus exchange student, Institute of Technology, Linköping University	2005 – 2006

Recognition and Awards

Invited Member of Doctoral Consortium at Mensch und Computer '20	2020
Invited Member of Doctoral Consortium at EICS '20	2020
Invited Member of Graduate Student Symposium at Creativity & Cognition '19	2019
Distinction, University of Southampton	2015

Scholarships and Grants
Nokia Foundation Scholarship, 2020
Jenny and Antti Wihuri Foundation Grant, 2020
Riitta and Jorma J. Takasen Foundation Scholarship, 2020
Finnish Foundation for Technology Grant, 2020
Tauno Tönning Foundation Grant, 2020
Course grant, University of Oulu UniOGS, 2020
Nokia Foundation Scholarship, 2019

Travel Grants
ACM SIGCHI, 2019
University of Oulu UniOGS, 2019
University of Oulu UniOGS, 2019
Ubicomp/ISWC, 2018
DAAD, 2010
Erasmus Sokrates Scholarship (DAAD), 2005

Academic Service and Activities

Associate Chair

Associate Chair, CHI '19 Late Breaking Work	2019

Organizing Committee

6th International Conference on Design Creativity (ICDC 2020), Virtual	2020
UBI Summer School 2018 (UBISS '18), Oulu, Finland	2018

Workshop Organizer (Lead)

Workshop on Designing Crowd-powered Creativity Support Systems	2019
CHI '19, Glasgow, United Kingdom	
Workshop on Crowd-Powered Interfaces for Creative Design Thinking	2019
C&C '19, San Diego, CA, United States	

Workshop Organizer (Co-author)

Visions, Technologies, and Visions of Technologies for Understanding Human Scale Spaces	2021
CHI '21, Virtual	

Program Committee Member

Studierendenkonferenz Informatik (SKILL '18), Berlin	2018

Student Volunteering

ACM FAccT '21, Virtual	2021
UIST '20, Virtual	2020
CSCW '20, Virtual	2020

Creativity & Cognition (C&C '19), San Diego, CA	2019
Ubicomp/ISWC '18, Singapore	2018

Peer Review

Conference Reviewer

CHI	2019–2021
INTERACT	2019–2021
DIS	2021
UIST	2019–2021
C&C	2019–2021
CSCW	2018–2020
IUI	2020
EICS	2019–2020
MobileHCI	2020
HICSS	2018
IMWUT	2018
CHI PLAY	2018
ICMI	2018
ESWC	2018

Journal Reviewer

Human Computation	2020

Student Supervisions

Doctoral Students

Tabea Tietz	since 2021

Master's Students

Antonio Kongjonaj	2019
Ömer Bayram	2018
Immanuel Pelzer	2017

Bachelor Students

Katri Säily	2021
Bastian van de Wetering	2018
Andre Slava Paderow	2018

Research Assistants

Tim Korjakov	2017 – 2018
Nicolo Knapp	2017 – 2018
Immanuel Pelzer	2016 – 2017

Other Supervision

Summer project, Antonio Kongjonaj	2018
Software Project, 4 students	2017

Teaching Experience

Co-Teacher

Social Computing (521044A, 61 students, 5 ECTS, Bachelor)[1]	2020
Social Computing (521044A, 40 students, 5 ECTS, Bachelor)	2020
Social Computing (521044A, 19 students, 5 ECTS, Bachelor)	2019

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[1]This course was held twice in 2020 because of a change in the schedule from Spring to Autumn.

Teaching Assistant

Human-Computer Interaction (521145A, 151 students, 5 ECTS, Bachelor)	2020
Human-Computer Interaction (521145A, 139 students, 5 ECTS, Bachelor)	2019
Human-Computer Interaction (521145A, 161 students, 5 ECTS, Bachelor)	2018
Applied Computing Project I (521152S, 3 students, 10 ECTS, Master)	2019
Software Project (4 students, Bachelor and Master)	2016 – 2017

Curriculum planning

Social Computing (521044A, Bachelor), University of Oulu	2019
Semantic Web Technologies (19305401, Master), Freie Universität Berlin	2018

Publications

Peer-reviewed Journal Papers

J1. Jonas Oppenlaender, Thanassis Tiropanis, and Simo Hosio. 2020. CrowdUI: Supporting Web Design with the Crowd. In Proceedings of the ACM on Human-Computer Interaction, Vol. 4, No. EICS, Article 76. ACM, New York, NY, USA, 28 pages. DOI: 10.1145/3394978

J2. Andy Alorwu, Niels van Berkel, Jorge Goncalves, Jonas Oppenlaender, Miguel Bordallo López, Mahalakshmy Seetharaman, and Simo Hosio. 2020. Crowdsourcing Sensitive Data using Public Displays: Opportunities, Challenges, and Considerations. Personal and Ubiquitous Computing. Springer, 16 pages. DOI: 10.1007/s00779-020-01375-6

J3. Simo Hosio, Niels van Berkel, Jonas Oppenlaender, and Jorge Goncalves. 2020. Crowdsourcing Personalized Weight Loss Diets. IEEE Computer, 53(1), 63–71. DOI: 10.1109/MC.2019.2902542

J4. Simo Hosio, Andy Alorwu, Niels van Berkel, Miguel Bordallo, Mahalakshmy Seetharaman, Jonas Oppenlaender, and Jorge Goncalves. 2019. Fueling AI with Public Displays? A Feasibility Study of Collecting Biometrically Tagged Consensual Data on a University Campus. In Proceedings of the 8th ACM International Symposium on Pervasive Displays (PerDis '19). ACM, New York, NY, USA, Article 14, 1–7. DOI: 10.1145/3321335.3324943

J5. Simo Hosio, Jaro Karppinen, Niels van Berkel, Jonas Oppenlaender, and Jorge Goncalves. 2018. Mobile Decision Support and Data Provisioning for Low Back Pain. IEEE Computer, 51(8), 34–43. DOI: 10.1109/MC.2018.3191250

Peer-reviewed Conference Papers

C1. Jonas Oppenlaender, Elina Kuosmanen, Andrés Lucero, and Simo Hosio. 2021. Hardhats and Bungaloos: Comparing Crowdsourced Design Feedback with Peer Design Feedback in the Classroom. In Proceedings of the 2021 CHI Conference on Human Factors in Computing Systems (CHI '21). ACM, New York, NY, USA, 1–14. DOI: 10.1145/3411764.3445380

C2. Jonas Oppenlaender, Kristy Milland, Aku Visuri, Panos Ipeirotis and Simo Hosio. 2020. Creativity on Paid Crowdsourcing Platforms. In Proceedings of the 2020 ACM CHI Conference on Human Factors in Computing Systems (CHI '20). ACM, New York, NY, USA, 1–14. DOI: 10.1145/3313831.3376677

C3. Jonas Oppenlaender and Simo Hosio. 2019. Design Recommendations for Augmenting Creative Tasks with Computational Priming. In Proceedings of the 18th International Conference on Mobile and Ubiquitous Multimedia (MUM '19). ACM, New York, NY, USA, Article 35, 1–13. DOI: 10.1145/3365610.3365621

C4. Jonas Oppenlaender, Elina Kuosmanen, Jorge Goncalves and Simo Hosio. 2019. Search Support for Exploratory Writing. In Human-Computer Interaction – INTERACT 2019 (LNCS 11748), David Lamas, Fernando Loizides, Lennart Nacke, Helen Petrie, Marco Winckler, and Panayiotis Zaphiris (eds.). Springer International Publishing, Cham, Switzerland, 314–336. DOI: 10.1007/978-3-030-29387-1_18

C5. Jonas Oppenländer, Falko Glöckler, Jana Hoffmann, and Claudia Müller-Birn. 2017. Bewertung von Reifegradmodellen für ein integriertes Forschungsdatenmanagement für multi-disziplinäre Forschungsorganisationen. In Jonas Kratzke and Vincent Heuveline (eds.). 2017. E-Science-Tage 2017: Forschungsdaten managen. hei-BOOKS, Heidelberg, Germany, 53–64. DOI: 10.11588/heibooks.28 5.377

Peer-reviewed Short Papers and Workshop Papers

SP1. Jonas Oppenlaender and Jesse Josua Benjamin. 2020. Towards Metaphors for Cascading AI. In Proceedings of the Workshop on Metaphors for Human-Robot Interaction (ICSR '20). 3 pages. DOI: 10.31219/osf.io/gxt7y

SP2. Jonas Oppenlaender, Kristy Milland, Aku Visuri, Panos Ipeirotis, and Simo Hosio. 2020. What do crowd workers think about creative work? In Proceedings of the Workshop on Worker-Centered Design, CHI '20. 4 pages.

SP3. Jonas Oppenlaender and Simo Hosio. 2019. Supporting Creative Work with Crowd Feedback Systems. In Proceedings of the Workshop on Designing Crowd-powered Creativity Support Systems (DC^{2}S^2), CHI '19. Glasgow, UK.

SP4. Jonas Oppenlaender, Kennedy Opoku Asare, and Simo Hosio. 2018. CampusTracker: Assessing Mobile Workers' Momentary Willingness to Work on Paid Crowdsourcing Tasks. In Proceedings of the 2018 ACM International Joint Conference and 2018 International Symposium on Pervasive and Ubiquitous Computing and Wearable Computers (UbiComp '18). ACM, New York, NY, USA, 648–653. DOI: 10.1145/3267305.3267550.

SP5. Jonas Oppenlaender, Jesse J. Benjamin, and Claudia Müller-Birn. 2018. Towards Sociotechnical Management of Intra-Organisational Knowledge Transfer. In Paul Drews, Burkhardt Funk, Peter Niemeyer, and Lin Xie (eds.). 2018. Multikonferenz Wirtschaftsinformatik (MKWI '18). Leuphana Universität, Lüneburg, Germany, Band 1, 307–313.

Workshops

W1. Jonas Oppenlaender, Naghmi Shireen, Maximilian Mackeprang, Halil Erhan, Jorge Goncalves, and Simo Hosio. 2019. Workshop on Crowd-powered Interfaces for Creative Design Thinking. In Proceedings of the 2019 ACM SIGCHI Conference on Creativity and Cognition (C&C '19). ACM, New York, NY, USA, 722–729. DOI: 10.1145/3325480.3326553

W2. Jonas Oppenlaender, Maximilian Mackeprang, Abderahmane Khiat, Maja Vuković, Jorge Goncalves, and Simo Hosio. 2019. DC^2S^2: Designing Crowd-powered Creativity Support Systems. In Adjunct Proceedings of the 2019 ACM CHI Conference on Human Factors in Computing Systems (CHI '19). ACM, New York, NY, USA, W06, 8 pages. DOI: 10.1145/3290607.3299027

W3. Ville Paananen, Piia Markkanen, Jonas Oppenlaender, Lik Hang Lee, Haider Akmal, Ava Fatah gen. Schieck, John Dunham, Konstantinos Papangelis, Nicolas Lalone, Niels van Berkel, Jorge Goncalves, and Simo Hosio. 2021. 2VT: Visions, Technologies, and Visions of Technologies for Understanding Human Scale Spaces. In Extended Abstracts of the 2021 CHI Conference on Human Factors in Computing Systems (CHI EA '21). ACM, New York, NY, USA, 9 pages. 10.1145/3411763.3441315

Doctoral Consortia

DC1. Jonas Oppenländer. 2020. Unterstützung Kreativer Arbeit mit Crowdsourcing. Doktorandenseminar, Mensch und Computer (MuC '20). 5 pages. DOI: 10.31219/osf.io/7pmnc

DC2. Jonas Oppenlaender. 2020. Crowd-powered Creativity Support Systems. In Proceedings of 12th ACM SIGCHI Symposium on Engineering Interactive Computing Systems (EICS '20). ACM, New York, NY, USA, Article 15, 1–4. DOI: 10.1145/3393672.3398646

DC3. Jonas Oppenlaender. 2019. Supporting Creative Workers with Crowdsourced Feedback. In Proceedings of the 2019 on Creativity and Cognition (C&C'19). ACM, New York, NY, USA, 646–652. DOI: 10.1145/3325480.3326556

Conference Posters

P1. Jonas Oppenlaender. 2020. Socially Augmented Crowdsourced Collection of Folk Theories. In Proceedings of the Conference on Human Computation and Crowdsourcing (HCOMP '20). AAAI, New York, NY, USA, 3 pages.

P2. Panos Kostakos, Alavesa Paula, Jonas Oppenlaender, and Simo Hosio. 2019. VR Ethnography: A pilot study on the use of virtual reality 'go-along' interviews in Google Street View. In Proceedings of the 18th International Conference on Mobile and Ubiquitous Multimedia (MUM '19). ACM, New York, NY, USA, Article 53, 1–5. DOI: 10.1145/3365610.3368422

P3. Jonas Oppenlaender and Simo Hosio. 2019. Towards Eliciting Feedback for Artworks on Public Displays. In Proceedings of the ACM Conference on Creativity & Cognition (C&C '19). ACM, New York, NY, USA, 562–569. DOI: 10.1145/3325480.3326583

P4. Jonas Oppenlaender. 2019. Crowd-powered Self-Accelerating Knowledge Systems. ACM Conference on Collective Intelligence, Pittsburgh, PA, USA, 4 pages (retracted).

P5. Jonas Oppenlaender and Simo Hosio. 2019. Experizone: Integrating Situated Scientific Experimentation with Teaching of the Scientific Method. In Proceedings of the CHI Conference on Human Factors in Computing Systems Extended Abstracts (CHI '19). ACM, New York, NY, USA, LBW1519, 6 pages. DOI: 10.1145/3290607.3313043

P6. Jonas Oppenlaender, Jesse J. Benjamin, and Claudia Müller-Birn. 2017. Socio-technical Revelation of Knowledge Transfer Potentials. In Proceedings of the 5th AAAI Conference on Human Computation and Crowdsourcing (HCOMP '17), AAAI, 2 pages.

Theses

T1. Jonas Oppenlaender. 2015. CrowdUI – A tool to remotely source and evaluate user interface adaptations. MSc thesis. Web Science Institute, University of Southampton, United Kingdom.

T2. Jonas Oppenländer. 2009. Anwendung des Kano-Modells zur Analyse und Charakterisierung gesellschaftlicher Anforderungen an Produkte. Diplomarbeit (MSc thesis). Institute for Product Development and Machine Elements, Technical University of Darmstadt, Germany.

Certifications and Licenses

Design Thinking (Interaction Design Foundation)	2021
Scrum Product Owner (Scrum Alliance)	2020
Scrum Master (Scrum Alliance)	2014
Certified Associate in Project Management (PMI)	2014
ITIL v3 Foundation (Axelos)	2014
Certificate in Business Analysis (University of Toronto)	2013
Quality Manager (German Accreditation Body DAkkS)	2013
Zend Certified Engineer PHP 5 (License No. 013105)	2010
Business English Certificate Higher (University of Cambridge)	2009

Languages

German (Mother tongue)
English (TOEFL 114/120, IELTS 8, Business English Certificate Higher)
French (4 years, uncertified)
Spanish (1 year, uncertified)

Memberships

Association for Computing Machinery (ACM)	2018 – 2021
ACM Special Interest Group on Computer-Human Interaction (SIGCHI)	2019 – 2021
Gesellschaft für Informatik e.V. (GI)	2020 – 2021
Institute of Electrical and Electronics Engineers (IEEE)	2020 – 2021
Association for Information Systems (AIS)	2018 – 2019