


I am a **sustainable digitalization** consultant with **ten years of experience in research, knowledge transfer, and teaching**. With a PhD in Human-Computer Interaction (HCI) from the University of Glasgow and a nomination of my dissertation for the Best Computer Science Thesis Award in Scotland, I have developed an interdisciplinary research approach that combines digital innovation with sustainability. At the University of Oldenburg, I obtained an independent Research Fellowship and received an award for being an Outstanding Young Scientists. I have successfully engaged in research transfer by developing the browser add-on envirofy to support sustainable consumer decisions, securing collaborations with leading institutions such as Tesco (the largest international retail chain). Additionally, I have delivered international expert lectures and am an award-winning science communicator. I hold a higher-education teaching certificate and have experience in supervision (from BSc to PhD, with three out of five students having published their work), with teaching and supervision primarily conducted in English. I have been able to secure approximately €610,000 in funding to support my research. My commitment to sustainable digitalization is also reflected in my consulting work for companies, where I drive digital transformations and behavioural change.

CURRENT POSITION

2024–
🕒 1 year | **Sustainable Business Consultant: Management, Digital Transformation, Behaviour Change**
Opthalmologic Group Practise, Lindau, Germany
CEO: Oguljema Nurberdi, MD

EDUCATION

2015–2019 | **Ph.D in Human-Computer Interaction (Computer Science)** 
University of Glasgow, Scotland, United Kingdom
Topic: Multimodal feedback for mid-air gestures when driving
Supervisors: Stephen Brewster, John H. Williamson

2013–2014 | **Master of Computing Science**
University of Glasgow, Scotland, United Kingdom
Focus: Artificial Intelligence and Image Processing
Supervisor: Paul Siebert

2009–2013 | **Bachelor of Computer Science**
Technical University RheinMain, Wiesbaden, Germany
Focus: Embedded and Distributed Systems
Supervisor: Michael Sedlmayer, Liebherr, Lindenberg, Deutschland




EXPERIENCE

2023 | **Research Fellow (equivalent to Junior Professorship): Sustainable Digitalization**
Responsibilities: Coordination of teaching in Media Informatics,
Acquisition of third-party funding, supervision of students and PhD candidates
Carl von Ossietzky Universität Oldenburg, Germany


2021–2022 | **Postdoctoral Researcher: Sustainability through Digital Behavior Change Interventions**
Carl von Ossietzky Universität Oldenburg, Germany

2019–2021 | **Postdoctoral Researcher: AI Systems to Support People with Dementia**
University of Glasgow, Scotland, United Kingdom




AWARDS AND HONORS

- 2023, Jan. | **Special Award for Outstanding Early-Career Researcher** : For my research and vision of sustainable digitalization in food consumption
Carl von Ossietzky Universität Oldenburg, Germany
- 2020, Oct. | **SICSA PhD Award for Best Dissertation** : My Ph.D. dissertation was nominated in 2020 for the **Best Dissertation Award** in Computer Science at a Scottish university
- 2017, June | **Science Slam**: 2nd Place for the entertaining communication of my research  to the general public. The presentation was evaluated by the audience




TOP PUBLICATIONS AND SCIENTIFIC PEER REVIEW

- 2016-2025 | **Publications: 13 Conference and Journal Articles**  with 4 at the **leading (A*) international conference** in Human-Computer Interaction **CHI** (acceptance rate of ~25%); 5 short articles (1 at CHI), 8 workshop papers (5 at CHI), and 5 reports.
- 2016-2025 | **Peer Review**: IEEE, ACM, and SIGCHI, including conferences such as ACM CHI, MobileHCI, ICMI, AutoUI, MuC, and UIST. I have reviewed at least 54 conference papers and 2 journal articles.

START-UP FUNDING AND GRANTS

- 2021-2023  | **~300k €**: Research Fellow, funded by the President's Program Budget , Carl von Ossietzky Universität Oldenburg, Germany;
~300k €: I secured 3 million euros together with the OFFIS Institute for Informatics through the VW Foundation ; my share amounted to ~300k € for funding a Ph.D. student in sustainable digitalization, OFFIS, Oldenburg, Germany;
~10k €: EPSRC IAA, University of Glasgow, Scotland, United Kingdom for an intern.

NETWORK AND TRANSFER

- 2020-2021  1.5 years | **Excellent Networking**: To ensure the impact of my research, I collaborated with industries (e.g. **Tesco** (the largest international retail chain), Food and Drink Federation Scotland), government agencies (e.g. Food Standards Agency), and non-governmental organizations (e.g. **WWF-UK**, Nourish Scotland)
- 2021, Nov. | **Conference of the Parties (COP26)** I secured the opportunity to present my research at COP26 , as a panelist at the Global Conference for Safety Regulation and Sustainability  and as a speaker at Nourish Scotland
- 2021  3 months | **UN Game Changers Lab**  I secured a spot in the global Solutions Accelerator program; the final report was presented at the UN High-Level Political Forum on Sustainable Development 2021
- 2021 - | **Invited Expert Speaker: Panelist**: There is no Plan(et) B ; **Keynote**: Digitalization as a Lever for Sustainability - ERC AMPLIFY ; **Panelist** at Global Conference for Food Safety Regulation and Sustainability , Food Standards Agency, Nourish Scotland; **Panelist**: SICSA's Resilience & Sustainability conference ; as **invited sustainable digitalization expert**: Low carbon and sustainable computing, University of Glasgow, and Seminar in Media Informatics Oldenburg

TEACHING, TEACHING COORDINATION, AND SUPERVISION

2022-2023 ⌚ 2 years	Coordination of University Teaching: Coordination of the smooth running of teaching modules and teaching staff in the HCI field at the University of Oldenburg (6 staff members)
2021-2023 ⌚ 2 years	University Lecturer: Fundamental Competences in Psychology III: Experiments and Studies; Sustainable Digital Future; Human-Computer Interaction
2015, 2019 ⌚ 2 years	College Lecturer: Web Development, Object-Oriented Programming (C#) (New College Lanarkshire, Lanarkshire, Scotland); Computing Fundamentals, Applied Maths, Computing (International Study Centre, University of Strathclyde, Glasgow, Scotland)
2020-2024 ⌚ 4 years	Supervision of (Graduate) Students: Supervision of one PhD student, two MSc theses, one BSc thesis, one research assistant, and one honours student (three out of five have published)

ORGANIZATION OF INTERNATIONAL CONFERENCES

2022-2023	Sustainability Chair at CHI 2023 of , Hamburg, Germany Activities: Reducing the carbon footprint of the CHI 2023 conference - the leading conference for Human-Computer Interaction (4000+ participants)
2022-2023	Accessibility Chair at CHI Play 2022 of , Bremen, Germany and TEI 2023 of , Warsaw, Poland Activities: Ensuring accessibility at these hybrid conferences (200 participants)
2019-	Associate Chair for ACM CHI 2023, ACM CHI LBW 2022, Mensch-und-Computer 2022, ACM CHI LBW 2021, ACM Automotive UI 2020, ACM CHI LBW 2020, ACM Automotive UI 2019 Activities: Recruiting experts for reviews
2017	Student Volunteer Chair for ICMI 2017 of , Glasgow, Scotland, United Kingdom Activities: Leading 17 students to support the operational needs of the conference




COMMUNITY SERVICE

⌚ 1 year	SIGCHI Sustainability Committee of , I helped develop international guidelines for HCI curricula and promoting sustainable research practices
2015 - 2018 ⌚ 3 years	Athena SWAN (Scientific Women's Academic Network) Committee Activities: Collecting and analyzing data on gender inequalities; Creating action plans for improvement; Raising awareness through events; Supporting mentoring and career development programs. School of Computing Science, University of Glasgow, Scotland, United Kingdom

CERTIFICATES

2022-2023 ⌚ 1 year	Leadership and Management Certificate of Carl von Ossietzky University Oldenburg, Germany
2022-2023 ⌚ 1.5 years	University Pedagogical Certificate of Carl von Ossietzky University Oldenburg, Germany
2016 ⌚ 1 week	Inference, Optimization, and Modeling for Interactive Systems Development of Aalto University, Helsinki, Finland

EQUALITY, EQUAL OPPORTUNITIES, AND SOCIAL JUSTICE

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| 2022-2023
🕒 2 years | Life in Academia:  I organized this successful online seminar series (40+ participants), with high-profile guests (e.g., Lindy Elkins-Tanton, NASA), who debunked common myths about academic life (e.g., heroic figures, decolonial practice in academia). |
| 2015-2021
🕒 7 years
🏆 | Community Builder Award: The School of Computer Science at the University of Glasgow recognized my efforts in creating an <i>inclusive</i> (e.g., gender equality through GWiCS  and the Athena SWAN  committee) and <i>thriving</i> community (e.g., annual cooking competitions). |

LANGUAGES

German: Native language;
English: C2 - Native-like proficiency
French: B1 - Good proficiency;
Turkmen: Native language

★ NON-ACADEMIC ACCOMPLISHMENTS

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| 2022-2023
🕒 2 years | Volunteer at Oxfam: Every Friday, I volunteered at Oxfam, a charity focused on alleviating global poverty by selling second-hand goods. |
| 2018-2020
🏆 | Organizer and Winner of Three Cooking Competitions: A friendly annual cooking competition at the School of Computing Science, University of Glasgow. |
| 2018, Nov.
🏆 | Festival des Soupes: An annual soup cooking competition in Provence, France. For my participation and cooking 10 liters of spicy coconut Thai soup, I received a cutting board. |

★ PUBLICATIONS

📌 CONFERENCE

- K01 : L. Kuijter, K. Kaipainen, N.J. Bidwell, M. Fiedler, A. Friday, M. Hassenzahl, C. Lallemand, M. Laschke, D. Lockton, T. Olsson, A. Raake, K. Väänänen, E. Sari, G. Shakeri: *Towards a HCI Community that Prioritises Environmental Sustainability: Reflections on a Collection of Fictions*. In **CHI**, 2025.
- K02 : Yu, T., Shakeri, G., Koelle, M.: *"If you don't feel guilty, you won't take responsibility" - Co-Speculating on Digital Technologies That Encourage Sustainable Consumption*. In **NordiCHI**, 2024.
- K03 : Di Campli San Vito, P., Yang, X., Ross, J., Shakeri, G., Brewster, S., Venkatesh, S., Street, A., Fachner, J., Fernie, P., Muller-Rodriguez, L., Hung Hsu, M., Odell-Miller, H., Shaji, H., Itaborai, P., Farina, N., Banerjee, S., Kirke, A., and Miranda, E.: *RadioMe: Adaptive Radio with Music Intervention and Reminder System for People with Dementia in Their Own Home*. In **Augmented Humans**, 2024.
- K04 : Di Campli San Vito, P., Shakeri, G., Ross, J. Yang, X., Brewster, S.: *Development of a Real-Time Stress Detection System for Older Adults with Heart Rate Data*. In **PETRA**, 2023.
- K05 : Shakeri, G., McCallum, C. H.: *Envirofy your Shop: Development of a Real-time Tool to Support Eco-friendly Food Purchases Online*. In **CHI**, 2021.
- K06 : Nicolas Farina, Alex Street, Alexis Kirke, Jörg Fachner, Helen Odell-Miller, David Moffat, Satvik Venkatesh, Gözel Shakeri, Stephen Brewster, Sube Banerjee, and Eduardo Reck Miranda: *Real-time radio remixing for people with mild to moderate dementia who live alone, incorporating agitation reduction, and reminders (RadioMe): A Protocol paper*. Submitted to **International Journal of Human-Computer Studies**, Special Issue on Advances in Human-Centred Dementia Technology, 2021.
- K07 : Vankatesh, S., Moffat, D., Kirke, A., Shakeri, G., Brewster, S., Fachner, J., Odell-Miller, H., Street, A., Farina, N., Banerjee, S., Reck Miranda, E.: *Speech and Music Detection in Radio Broadcast*. In **ICASSP**, 2021.
- K08 : Di Campli San Vito, P., Shakeri, G., Brewster, S., Pollick, F., Brown, E., Skrypchuk, L., Mouzakitis, A.: *Haptic Navigation Cues on the Steering Wheel*. In **CHI**, 2019.
- K09 : Shakeri, G., Williamson, J. H., Brewster, S.: *May the Force Be with You: Ultrasound Haptic Feedback for Mid-Air Gesture Interaction in Cars*. In **AutoUI**, 2018.
- K10 : Shakeri, G., Williamson, J. H., Brewster, S.: *Novel Multimodal Feedback Techniques for In-Car Mid-Air Gesture Interaction*. In **AutoUI**, 2017.
- K11 : Shakeri, G., Ng, A., Williamson, J. H., Brewster, S.: *Evaluating Haptic Patterns on a Steering Wheel*. In **AutoUI**, 2016.
- K12 : Shakeri, G., Ng, A., Williamson, J. H., Brewster, S.: *Evaluating Haptic Feedback on a Steering Wheel in a Simulated Driving Scenario*. In **CHI Late-Breaking-Work**, 2016.

📌 JOURNAL

- J01 : N. Kumar, A. Friday, A. Light, J. Jacques, M.L. Mauriello, K. Gerling, R. Soden, G. Shakeri , N.J. Bidwell, V. Sharma: *There is no Plan(et) B: On sustainability in/and HCI*. In **IX Interactions**, 2024.

📌 PH.D. THESIS

- PhD : Shakeri, G.: *Multimodal feedback for mid-air gestures when driving*. In **Ph.D. Thesis**, 2020.

◆ POSTER & DEMONSTRATION

- SO1 : Druschba, M., Shakeri, G.: *Scale-Score: Food Label to Support Nutritious and Sustainable Online Grocery Shopping*. In **ICT4S**, 2023.
- SO2 : Shakeri, G., Jung, F., Altarriban, F. B., Galeote, D., Friday, A.: *Eco-Joy: Imagining Sustainable and Joyful Food Eco-label Futures*. In **NordiCHI**, 2022.
- SO3 : Shakeri, G., Freeman, E., Andersson, C., Frier, W., Iodice, M., Long, B., Georgiou, O.: *Three-in-one: Levitation, Parametric Audio, and Mid-Air Haptic Feedback*. In **CHI**, 2019.
- SO4 : Shakeri, G., Williamson, J. H., Brewster, S.: *Bimodal Feedback for In-Car Mid-Air Gesture Interaction*. In **ICMI**, 2017.
- SO5 : Shakeri, G.: *Novel Multimodal Mid-Air Gesture Displays for Drivers*. In **SICSA HCI DC**, 2016.

◆ REPORTS

- BO1 : Kaiser, J.-N., Yu, T., Koelle, M., Shakeri, G.: *Scan for Sustainability: Designing Interventions with the Behaviour Change Wheel to Support In-Store Sustainable Grocery Shopping*. In **Arxiv**, 2024.
- BO2 : Shakeri, G., Jung, F., Galeote, D., Altarriba-Bertran, F., Friday, A.: *Towards Supporting Sustainable Grocery Shopping through Joyful Technology: Annotated Portfolio of Speculative Ideas*. In **Arxiv**, 2023.
- BO3 : Shakeri, G.: *Characteristics of a CS Graduate Student*. In **Arxiv**, 2022.
- BO4 : Shakeri, G., Brewster, S.: *Dynamic Cutaneous Push Messages from the Steering Wheel*. In **Arxiv**, 2021.
- BO5 : Shakeri, G., Freeman, E., Brewster, S.: *Multimodal Feedback for Mid-Air Gestures during the Lane Change Task*. In **Arxiv**, 2019.

◆ WORKSHOP

- WO1 : Shakeri, G.: *Hedonistic Sustainability: Joy as a Fundamental Component in Sustainability Communication*. In **CHI 2023 Workshop: HCI for Climate Change: Imagining Sustainable Futures**, 2023.
- WO2 : Shakeri, G.: *Digital Sustainable Future?: A Chat with Scientists*. In **CHI 2022 Online Workshop: Feminist Voices about Ecological Issues in HCI**, 2022.
- WO3 : Shakeri, G., McCallum, C. H.: *Envirofy: Behaviour Change Wheel based Tool for Sustainable Online Grocery Shopping*. In **INTERACT**, 2021.
- WO4 : Shakeri, G., McCallum, C. H.: *Envirofy your Shop: a real time tool to support eco-friendly food purchases online*. **Climate Expo**, 2021.
- WO5 : Shakeri, G., McCallum, C. H.: *Envirofy: a Real-time Tool to Support Eco-friendly Food Purchases Online*. In **CHI Workshops/Symposia**, 2021.
- WO6 : Shakeri, G., Brewster, S., Vankatesh, S., Moffat, D., Kirke, A., Fachner, J., Odell-Miller, H., Street, A., Farina, N., Banerjee, S., Reck Miranda, E.: *RadioMe: challenges during the development of a real time tool to support People with Dementia*. In **CHI Workshops on Designing Interactions for the Ageing Populations – AddressingGlobal Challenges**, 2021.
- WO7 : Loriet, A., Shakeri, G.: *Agent Metaphor for Autonomous Driving*. In **DIS Workshops on Setting the Stage with Metaphors for Interaction**, 2017.
- WO8 : Freeman, E., Vo, D., Wilson, G., Shakeri, G., and Brewster, S.: *Towards Mid-Air Haptic Widgets*. In **CHI Workshops on Mid-Air Haptics and Displays: Systems for Un-instrumented Mid-Air Interactions**, 2016.