OzCHI 2024

BEYOND BEING HUMAN

30th November to 4th December 2024
Meanjin | Brisbane, Australia
Conference Program

Saturday, 30 November 2024

9.00am – 4.30pm, Room 301 **Workshop 1: Engaging with Nature in a Digital World** • Details	9.00am – 4.30pm, Auditorium **Workshop 2: Moving with Machines: A Human-Robot Experience (HRX) Theatre Workshop** • Details	9am – 12.30pm, Room 313 **Workshop 3: Inclusive HCI: Second International Workshop on Developing Digital Technologies or Supporting Societal Inclusion of Disadvantaged Groups** • Details	9am – 12.30pm, Room 316 **Workshop 4: Re-examining TEIs Using Provocations** • Details
		1.00 – 4.30pm, Room 316A **Workshop 5: Pushing the Boundaries of Participatory Design for Greater Impact** • Details	
5 – 6.30pm, Advanced Engineering Building **Book Launch: "Designing More-Than-Human Smart Cities" (Heitlinger, Foth & Clarke)** • Register here			

Sunday, 1 December 2024

9.00am – 5.00pm, Room 313A **Doctoral Consortium**	9.00am – 4.30pm, Room 301 **Workshop 6: More-Than-Human Moments via Movement-based Design and Cultural Insights** • Details	9.00am – 12.30pm, Room 316A **Workshop 7: Using what Makes us Human: Reflecting upon the use of AI in Design Education** • Details	9.00am – 12.30pm, Room 316 **Workshop 8: Disability and Emerging Technologies** • Details
		1.00 – 4.30pm, Room 316A **Workshop 9: Unmaking AI: Engaging Critically and Creatively with Generative AI** • Details	
5.00 – 7.00pm, Griffith Film School **Welcome drinks**			

Monday, 2 December 2024

9.00 – 9.15am	**Opening & Welcome**
9.15 – 10.15am	**Keynote: Paul Dourish**
10.15 – 10.45am	**Morning Tea**
10.45am – 12.45pm	**Paper Session 1**

Games (10.45 – 11.15am) • Chair: Selen Turkay

10.45am	**Mental State Modelling: A Philosophy of Mind Approach to Emergent Believable Behaviour in Non-Player Characters** Solomon Inyang • Australian National University
10.55am	**An investigation into the hybridisation of board games: A scoping literature review** Anton Linden • Swinburne University of Technology
11.05am	Games Q&A

Immersive Technology 1 (11.15 – 11.55am) • Chair: Kim Halskov

11.15am	**Beyond Augmented Reality, Towards Augmented Physicality: Gaming with Tangible Embodied Interactions** Qingxuan Yan • The Australian National University
11.25am	**Avatar Design in Virtual Retail Environments: A Scoping Review and Proposed Framework** Yinshu Zhao • The University of Queensland
11.35am	**What you see is (not necessarily) what I see – Pervasive AR for Public Displays** Kushani Perera • The University of Otago
11.45am	Immersive Technology (1) Q&A

Immersive Technology 2 (11.15 – 11.55am) • Chair: Jane Turner

11.55am	**Owning Her Story: Exploring Attitudes towards Gender Diversity in STEM through Augmented Reality Fictions** Nelli Holopainen • Queensland University of Technology
12.05pm	**TegakARi: Augmenting Creative Drawing With Audio and Visual Cues** Dhruv Iyer • The University of Tokyo
12.15pm	**How are VR and AR used in Geoscience? Interview of Geologists for Immersive Reality system requirements gathering** Alexandra Douglass-Bonner • Queensland University of Technology
12.25pm	**If We Immerse Them, They will Come: Can Rural Health Experiences through Virtual Reality have Impact on Workforce Recruitment?** Tegan Podubinski • The University of Melbourne

12.35pm	Immersive Technology (2) Q&A
12.45 – 1.45pm	**Lunch**

1.00 – 2.25pm
Room 301 **Late-Breaking Work**
Room 316/316A **Demonstrations**

1.45 – 3.05pm	**Paper Session 2**

Older People (1.45 – 2.25pm) • Chair: Nicole Vickery

1.45pm	**Language Barriers in Long-term Aged Care Homes: Design Considerations for Translation Technology** Shuai Yuan • The University of Melbourne
1.55pm	**Design for Older People: Improving the Usability of Mobile Apps through Targeted Design Recommendations** Xelia Mattick • Hochschule Ruhr West
2.05pm	**How do older Chinese immigrants use mobile apps for digital storytelling?** Yang Lei • Griffith University
2.15pm	Older People Q&A

User Studies (2.25 – 3.05pm) • Chair: Sonja Pedell

2.25pm	**Stakeholder-Driven Design for Collaborative Decision Support in New Zealand Agriculture** Mahgol Yousefi • The University of Canterbury
2.35pm	**User-centred design towards trust and engagement with agricultural climate services in Australia** Stephen Snow • CSIRO
2.45pm	**Drinkminish: Understanding Engagement of Light to Moderate Drinkers in Online Alcohol Reduction Interventions** Eszter Vigh • The University of Bristol
2.55pm	User Studies Q&A
3.05 – 3.25pm	**Afternoon Tea**
3.25 – 5.25	**Paper Session 3**

Data (3.25 – 3.55pm) • Chair: Ben Matthews

3.25pm	**Shared Data Visualisations for Private Data: Managing Ownership and Visibility** Judy Bowen • The University of Waikato
3.35pm	**Privacy in Motion: Implementing Differential Privacy for User Motion in VR** Ruoxi Sun • CSIRO's Data61
3.45pm	**Using Annotated Portfolios to Interrogate Speculative Designs: The Case of Emergent Personal Data Trails** Stephen Snow • The University of Queensland

3.55pm	Data Q&A
Interface (Visualisation) (4.05 – 4.45pm) • Chair: Martin Tomitsch	
4.05pm	**Staying Fit in the Metaverse: Evaluating Diegetic GUIs for Representing Exertion Data in a VR Exergame** Xin Cheng • The University of Sydney
4.15pm	**User Centred Development of a Data Visualisation Dashboard for a Neonatal Intensive Care Unit** Kian Huang Lee • The University of Sydney
4.25pm	**Mr.LfD: A Mixed Reality Interface for Robot Learning from Demonstration** Jiahao Chen • The University of Melbourne
4.35pm	Interface Q&A
Technology in Design (4.45 – 5.30pm) • Chair: Martin Tomitsch	
4.45pm	**A Systematic Literature Review on Design for Supporting Systems Intelligence of Interdependent Teams** Eveliina Toivonen • Häme University of Applied Sciences
5.05pm	**Facilitating Asynchronous Idea Generation and Selection with Chatbots** Joongi Shin • Aalto University
5.15pm	Technology in Design Q&A
5.30pm	**CHISIG AGM**

Tuesday, 3 December 2024

9.00 – 9.15am	**Industry welcome**	
9.15 – 10.15am	**Keynote: Marcus Foth**	
10.15 – 10.45am	**Morning Tea**	10.15 – 11.25am
10.45 – 12.45	**Paper Session 4**	Room 301 **Late-Breaking Work**

Interface (10.45 – 11.55am) • Chair: Jennifer Ferreira

Room 316/316A **Demonstrations**

10.45am	**eXplainable AI Interfaces With (and for) Expert Operators: A Participatory Design Approach** Negin Hashmati • Chalmers University of Technology & University of Gothenburg
10.55am	**Exploring Design Parameters for RSVP Reading of Mobile Notifications** Hao-Ping (Hank) Lee • Carnegie Mellon University
11.05am	**Would You Tell Spotify How You're Feeling? Exploring Acceptability and Ethics of Emotion-Regulation Plugins for Music Streaming Apps** Xanthe Lowe-Brown • The University of Melbourne
11.15am	Interface (1) Q&A
11.25am	**Not Too Long, Not Too Short: Goldilocks Principle of 'Optimal' Reflection Time on Online Deliberation Platforms** ShunYi Yeo, • Singapore University of Technology and Design
11.35am	**Using gaze to understand shifts in visual attention during conditional automation with non-driving related tasks** Jorge Pardo • Queensland University of Technology
11.45am	Interface (2) Q&A

Robotics (11.55am-12.45pm) • Chair: Wafa Johal

11.55am	**Attributes of robots co-designed with people with intellectual disabilities to support them in diverse contexts** Saminda Balasuriya • Queensland University of Technology
12.05pm	**Enhancing Aged Care through Human-Robot Collaboration: A Case Study of Chore Robots** Valeria Macalupu • Queensland University of Technology
12.15pm	**Innovative Solutions for Libraries: A User-Centric Cumulative Study on the Requirements Analysis for the Use of Social Robots** Artur Lisetschko • Ruhr West University of Applied Sciences
12.25pm	**Exploring the Perceptions and Challenges of Social Robot Navigation: Two Case Studies in Different Socio-Technical Contexts** Steven Silva Mendoza • Cardiff University
12.35pm	Robotics Q&A

Time	Event		
12.45 – 1.45	**Lunch**		
1.45 – 3.05pm	**Panel** **Beyond Human-in-the-Loop: Rethinking AI Design for the Future of Human-AI Entanglement** Chair: Kenton O'Hara/Jeni Paay Panellists: Paul Dourish, Janet Wiles, Martin Tomitsch, Drew Smith, Ben Kraal		
3.05 – 3.25pm	**Afternoon Tea**		3.05 – 3.45pm **Student Design Challenge**
3.25 – 5.05pm	**Paper Session 5**		
Agents (3.25 – 3.55pm) • Chair: Tim Miller			
3.25pm	**ParkPal: Design and Wizard of Oz trial of a voice-based nature guide** Sarah Webber • The University of Melbourne		
3.35pm	**The Role of Emotional Expressions by Autonomous Agents in Road-Sharing: Using Scenario Prompts in Online Video and Virtual Reality Studies** Yiyuan Wang • The University of Sydney		
3.45pm	Agents Q&A		
Artificial Intelligence (3.55 – 4.25pm) • Chair: Tim Miller			
3.55pm	**Exploring the impact of AI features on collaborative creativity** Jonas Frich • Aarhus University		
4.05pm	**I wouldn't like technology to give people a get out of jail free card: Caregiver Reflections on a Hypothetical AI-assisted Music Intervention for Dementia Care** Dianna Vidas • The University of Melbourne		
4.15pm	Artificial Intelligence Q&A		
Large Language Models (4.25 – 5.05pm) • Chair: Greg Wadley			
4.25pm	**Large Language Models for Automatic Detection of Sensitive Topics** Ruoyu Wen • The University of Canterbury		
4.35pm	**Understanding use of Large Language Models in Healthcare: An HCI Scoping Review** Pradeepa Bandara • The University of Queensland		
4.45pm	**Unmasking Metadata Bias: Evaluating the Impact on Large Language Model Text Analysis** Joel Harman • Queensland University of Technology		
4.55pm	LLM Q&A		
6.00 – 9.00pm	**Dinner: Howard Smith Wharves, Brisbane City**		

Wednesday, 4 December 2024	
9.30 – 10.00am	**Morning Tea**
10.00 – 11.10am	**Paper Session 6**
Embodiment (10.00 – 10.40am) • Chair: Soojeong Yoo	
10.00am	**Preparing Users to Embody their Avatar in VR: Insights on the Effects of Priming, Mental Imagery, and Acting on Embodiment Experiences** Adélaïde Genay • The University of Melbourne
10.10am	**Breaking Human Boundaries: VR Embodiment of Self-reflection in K-pop Choreography** Yicheng Xu • The University of Sydney
10.20am	**Personal Informatics and a Sense of Place** Jan Hollinshead • Lancaster University
10.30am	Embodiment Q&A
Health (10.40 – 11.10am) • Chair: Wally Smith	
10.40am	**Review of Recent Trends in Home-based Rehabilitation Assistive Devices Design for Shoulder Movement** Yuanyuan Wei • Queensland University of Technology
10.50am	**User Participation in Configuration of a Large-Scale Electronic Health Record System: Experiences and Expectations** Adrian Sand • Norwegian University of Science and Technology
11.00am	Health Q&A
11.10am – 12.10pm	**Closing Keynote: Margot Brereton**
12.10 – 12.30pm	**Closing Ceremony**
12.30 – 1.30pm	**Lunch**