

## BCS HCI Conference 2023

### **Monday 28 August (single track day, all in CSE/082)**

08:00 Registration open in the Computer Science Building foyer (now known at the Ian Wand Building) (registration and information desk will be open all day)

Coffee and tea served

### **09:00 Welcome and housekeeping**

#### **Session 1 Chair: Helen Petrie**

Evaluating Budgeting Apps: Limited Support for Budgeting Compared to Tracking (Long paper, remote presentation)

Mariam Alenazi & Corina Sas, Lancaster University

Empowering End-users in Co-Designing AI: An AI Literacy Card-Based Toolkit for Non-Technical Audiences (Long)

Freya Smith, Malak Sadek & Céline Mougenot, Imperial College London

Breaking Barriers: A Novel Framework to Evaluate Usability of Accessibility Applications (Long)

M A Hannan Bin Azhar, Tasmina Islam & Jan Marczak, King's College London

An exploratory Study on Sustainable Academic Business Travel: Implications for Technological Design for Behaviour Change (Long)

Syed Murad & Effie Lai-Chong Law, Durham University

### **11:00 Coffee and tea break (served outside CSE/082)**

#### **11:30 Session 2 Chair: Sandra Woolley**

Game Based Learning Rehabilitation for Children with Speech Disabilities: Presenting Two Bespoke Video Games (Short paper)

Kyriakos Nicolaou, Roy Carlton, Aisha Jaddoh, Yasir Syed, Justin James, Fernando Loizides, Cardiff University, & Chra Abdoulqadir, Indra Renewable Technologies Ltd

A survey of Wearable Tracker Version Updates (Short)

Khalid Ahmad Khattak & Sandra I. Woolley, Keele University

Measuring UX at Work: A Diary Study of Healthcare Workers Ordinary Experiences with mHealth Apps (Short)

Nurha Yingta, Parisa Saadati, Jose Abdelnour-Nocera, Obed Brew, Ikram Ur Rehman, University of West London & Torkil Clemmensen Copenhagen Business School

Virtual and Augmented Reality Interfaces for 3D Mesopotamian Environments and Artefacts – A Survey (Short)

Richard Rhodes & Sandra I. Woolley, Keele University

**12:30 Lunch (served outside CSE/082)**

**13:30 Session 3      Chair: Helen Petrie**

C.A.R.E : Designing a smartwatch app for older people (Long)

Sanjit Samaddar & Helen Petrie, University of York

Increasing independence for older adults who need technology support

Ashleigh Kruger & Sanjit Samaddar, University of York (Long)

Supporting dementia caregivers in Peru through chatbots: generative AI vs structured conversations (Long)

Fernanda Espinoza, Darren Cook, Rafael A. Calvo & Chris R. Butler Imperial College London

**15:15 Coffee and tea break (served outside CSE/082)**

**15:45 Session 4 Chair: Jose Abdelnour-Nocera**

Exploring the Potential of Social Robots in Supporting Home Medication Management (Long)

Sunbul M. Ahmad, Carolina Fuentes Toro, Nervo Verdezoto Dias & Katarzyna Stawarz, Cardiff University

Drivers of Trust in Generative AI-powered Voice Assistants: the Role of References (Long)

Michael A. Widjaya, Juan P. Bermudez, Laura Moradbakhti & Rafael A. Calvo, Imperial College London

**16:45 Keynote: Tom Flint, Edinburgh Napier University Chair: Jose Abdelnour-Nocera**

Blended Experience: Mixed Reality, Storytelling and twelve years in a sculpture park

**17:30-ish End of session**

**19:00 Conference Dinner, Rustique Restaurant, 28 Castlegate, York**

## **Tuesday 29 August (partly two track day, Track 1: CSE/082, Track 2: CSE/102)**

### **Track I: CSE/082**

#### **09:00 Session 5      Chair: Fernando Loizides**

Eye-Catching or Attention-Wasting? Exploring the Impact of Data Journalism Interactivity on User Information Acquisition (Long, remote presentation)

Wenchen Guo, Peking University & Zhirui Chen, University of Chinese Academy of Social Sciences

A Systematic Lightweight Approach for Natural User Interfaces Prototyping (Long)

Baraa Alabdulwahab, University of Leicester and Effie Lai-Chong Law, Durham University

Designing and Implementing Hand Gesture Recognition-Based MacOS Shortcuts for Enhanced User Experience (Long, remote presentation)

Ramazan Emre Oduncuoglu, Waleed Shanaa and Yilmaz Kemal Yuce, Alanya Alaaddin Keykubat University, Turkey

Scents of Adventure: Development of an olfactory display device for Virtual Reality

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“It’s actually scarily realistic”: The evaluation of an olfactory display device for use in VR (Short + demo, remote presentation)

Andrew McKelvey and Emilia Sobolewska, Edinburgh Napier University

#### **11:00 Coffee and tea break (served outside CSE/082)**

#### **11:30 Session 6      Chair: Fernando Loizides**

Reflexivity, Interactions and Intersectionality in HCI and CSCW (Long)

Alice Ashcroft, Lancaster University

Approaches and Challenges of Inclusive UX Practices in the Software Industry (Short)

Won Choi, Cooper Union and Marta Lárusdóttir, Reykjavik University, Iceland

#### **12:30 Lunch (served outside CSE/082)**

#### **13:45 Session 7      Chair: Effie Lai-Chong Law**

Personalising the unexpected: Preliminary suggestions for synaesthetic-oriented design (Long, remote presentation)

Victoria Wright & Genovefa Kefalidou, University of Leicester

Designing User Interface Elements for Remotely Operated Ship-to-shore Cranes (Long)

Taufik Akbar Sitompul, Jooyoung Park & Ole Andreas Alsos, Norwegian University of Science and Technology

Evaluating Graphical User Interfaces for Handling Latency in Remote Crane Operation (Long)

Theodor Fahlén, Mälardalen University, Sweden, Taufik Akbar Sitompul, Norwegian University of Science and Technology & Rikard Lindell, Mälardalen University, Sweden

**15:15 Coffee and tea break (served outside CSE/082)**

**15:45 Session 8      Chair: Helen Petrie**

Accessibility barriers with authentication methods for blind and partially sighted people in the Spanish-speaking world (Long, remote presentation)

Lourdes Moreno, Universidad Carlos III de Madrid, Helen Petrie, University of York & Suzanna Schmeelk University of York & St. John's University, New York

Older Chinese people's attitudes to and use of digital technologies (Long)

Yao Chen & Helen Petrie, University of York

**16:45 Keynote: Gilbert Cockton, Emeritus Professor (Computer Science) at the University of Sunderland and Emeritus Professor (Design) at Northumbria University**

**Chair: Helen Petrie**

Creative, Critical, Strategic and Grounded Interaction Design: from a single fixed centre to multiple shifting foci.

**17:30 Closing comments**

**18:00 Close**

## **Track 2: CES/102**

### **09:00 Session 9      Chair: Helen Petrie**

Privacy and security in online teaching during the COVID-19 pandemic: experiences and concerns of teachers in UK higher education (Long)

Basmah Almekhled, University of York and Saudi Electronic University & Helen Petrie, University of York

Reducing food waste: Exploring needs for an app for users in different cultures and at life stages (Long, remote presentation)

Mashaal Aljubairah & Helen Petrie, University of York

Challenges and Design Considerations for Home-based Visualisations to Encourage More Sustainable Practices (Long)

Dushani Perera, Nervo Verdezoto Dias, Julie Gwilliam & Parisa Eslambolchilar, Cardiff University, UK

Review of AI-based mental health apps (Long, remote presentation)

Abeer Alotaibi and Corina Sas, Lancaster University

### **11:00 Coffee and tea break (served outside CSE/082)**

#### **11:30 Session 10      Chair: Anna Bramwell-Dicks**

Patterns of Meaningful and Meaningless Smartphone Use: A Diary Study (Long)

Sultan Almoallim & Corina Sas, Lancaster University

Evaluation of Mindfulness Eating Apps (Long)

Lala Guluzade & Corina Sas, Lancaster University

### **12:30 Lunch (served outside CSE/082)**

#### **13:45 Session 11      Chair: Gavin Sim**

Designing Mobile Health Apps: A Systematic Review of Design Goals for Supporting Healthcare Professionals (Long)

Nurha Yingta, Parisa Saadati, Jose Abdelnour-Nocera, Obed Brew & Ikram Ur Rehman, University of West London

Empowering Young Voices: Prototyping Method for AR in Decolonisation Discussions (Long, remote presentation)

Mathias Caelenberghe, Mark Lochrie, Jack Burrows, Robin Das, John Mills, John Law, University of Central Lancashire & Misbahu Zubair, Manchester Metropolitan University

### **15:15 Coffee and tea break (served outside CSE/082)**

**Return to Track 1 for Last presentation, Keynote and Closing**

**These posters will be on display in the CSE foyer throughout the conference:**

Using Formative User Experience Research to Shape Positive Psychology Interventions  
Ingjerd J. Straand, University of Stavanger, Norway

Decision Design Ecology: Human-machine interaction and deciding whether or not to treat  
Sophie Rogers, University of Kent

Testing the effect of avatar height on interpersonal space and dominance in VR  
Gregory Mills, Dieu An Tran, Merlijn v. d. Baan, University of Groningen, The Netherlands,  
Shivam Mukherjee, Vasileios Argyriou Kingston University, Kingston University