11th EAI International Conference on AIoT Healthcare Systems

Online Conference Program

November 1, 2026 Sunday | Guangzhou, China	
08:45-09:00	Registration
09:00-09:05	Group Photo
09:05-09:20	Opening Ceremony
09:20-09:50	Keynote Speech I
09:50-10:20	Keynote Speech II
10:20-10:30	Break
10:30-13:30	**Sub-Forum A | Smart Healthcare Innovation and Health Management System Design** 1. **IoH-Ready Inclusive Art-Healing Service Framework in a Public Hospital Breast Disease Center: A Pilot Mixed-Methods Evaluation** Presenters: Wu Wenyi, Li Yilin, Yu An, Zhang Nan 2. **Sustainable AIoT-Based Health Management for Older Adults with Type 2 Diabetes and Comorbid Hypertension: A Modular Product-Service System Strategy** Presenters: Xu Jiarong, Qi Le, Zhang Mengting 3. **Peircean Semiotic Translation Gradients for AI-Assisted Age-Friendly Wellness Product Design** Presenters: Zheng Yue, Kong Chuishu, Li Yilin, Zhao Yue, Li Peiyao 4. **Specialists' Perception of a Management Mobile Application for Children with ADHD: A Human-Centered Design Evaluation** Presenters: Arigoni Alexandre Ferreira, Nobre Cristiane Neri, Jandre Caroline Rhaian da Silva 5. **Cross-Census Stability and Surge Resilience of RFID-IoT Dispatch in a Bangladeshi Emergency Department Simulation** Presenters: HASAN MD MEHEDI, Hanada Eisuke 6. **A Lightweight AI Framework for CAKUT Screening in Resource-Limited Community Clinics** Presenters: Ahmed Alif, Hasan Md Mehedi, Hanada Eisuke 7. **A Personalized Multimodal AIoT Smart Shoe Framework for Diabetic Foot Ulcer Risk and Fall-Risk Monitoring in Older Adults** Presenters: Qi le, Xu jiarong 8. **Constructing a Morphology-Physiology-Structure-Clinic Translational Model for Medical Design: A Parametric Generative Study of a 4D-Printed Intrauterine System** Presenters: Yu An, Wu Yiwen, Hu Yingyu, Fu Ruiying 9. **Family as the First Interpreter: A Product-Oriented Design Framework for AI-Enabled Household PreConsultation** Presenters: Kong Chuishu, Zheng Yue, Zhao Yue, Huang Guanghui 10. **Invisible Eye Care: An Environmental Framework for Designing Invisible Eye Interventions to Address Digital Eye Strain** Presenters: Cheng Zhiyan, Ying Fangtian

10:30-13:30	**Sub-Forum B | Digital Health Experience, Emotional Healing, and Rehabilitation Interaction Design** 1. **When Engagement Fades: Comparing Two Robotic Support Mechanisms for Parents During Parent–Child Interaction with Autistic Children** Presenters: Chen Xiao, Li Jing, Hu Jun 2. **Moving Through a Virtual Ocean: Design and Exploratory User Study of Hand-Tracked Two-Arm Paddling Interaction for Everyday Mental Health Support** Presenter: Zhang Lingdan 3. **An AIGC-Assisted Gamified Digital Intervention System for Children with Autism Spectrum Disorder: Design Implementation and Preliminary Evaluation** Presenters: Li Xinyu, Zhao Yue, Wan Qiange 4. **Breath-to-Ink: A Breath-Audio-Driven Digital Ink Painting System for Older Adults with Stable COPD** Presenters: Hongyang Zhang, Zhian Chen, Hongyuan Zhang, Qingling Sun 5. **Designing Engagement for Home-Based Hand Training: Design and Evaluation of a Garden-Themed Leap Motion Serious Game Prototype** Presenters: Zhao Yue, Li Yilin, Kong Chuishu, Zheng Yue, Wan Qiange, Chen Yijun, Huang Guanghui 6. **The influence of psychology on public sentiment based on urban environmental engineering design** Presenter: Jiaxin Li 7. **Applying Chinese Painting Visual Language to Health Science Communication Design for Emotional Regulation among Adults Aged 45–65** Presenters: Hongyang Zhang, Zhian Chen, Fanchang Kong, Erman Yue, Binbin Gao 8. **Evoking Memory: Design and Evaluation of an Immersive Reminiscence Therapy Service System for Community Mental Health** Presenters: Xie Hui, Zhang Wenjixiang 9. **A Study on an Age-Friendly AIGC Image Co-creation System for Smart Elderly Care** Presenters: Wenjixiang Zhang, Hui Xie 10. **A Design Translation Study of Embodied Emotional Feedback for Smart Health Products: A Case Study of Morning Wake-Up Scenarios** Presenters: Zhang Hexian, Zhang Xizhi
13:30-13:40	Q&A Session
13:40-13:45	Conference Summary