

at
CHI'24

chi nl



www.chinederland.nl



Hartelijk Welkom Namens CHI Nederland (CHI NL)!

Welcome by CHI NL

We are the Dutch **ACM SIGCHI Chapter** that connects, supports, and represents the Human-Computer Interaction (HCI) community in the Netherlands.

Specifically, as CHI NL, we aim to:



Connect professionals in HCI in and across academia and industry




Support professionals in HCI in academia and industry



Represent professionals in HCI in relevant circles, such as government and the public perception of HCI





The last year was a special one – CHI NL witnessed unprecedented growth and community engagement through several events we helped organize. Most visibly through the CHI NL Social Event that we hosted in Hamburg while CHI took place, but also through the CHI NL track at ICT Open 2023 (local Dutch ICT conference), the Post-CHI 2023 event at TU Delft, and other local SIG meetups.

We would like to say THANK YOU to everyone who organized, supported, and attended CHI NL's social event on April 27th (incidentally also King's Day in the Netherlands 🇳🇱) at the Altes Mädchen Braugasthaus ("brewery"), and for making this event an unforgettable one. We were pleased to see so much interest in attending, connecting, and of course, dancing with us! This type of social event is important for CHI NL, as it enables individuals to connect with the wider SIGCHI community, and to better facilitate knowledge exchange and contacts — this lies at the heart of prospective national and international collaborations and service.

For this year, we hope to see you and celebrate together at:

- **ICT Open 2024** in Utrecht on April 10-11
- **CHI NL Community Event 2024** (Pre-CHI) hosted by Utrecht University on April 12
- **ACM CHI 2024** in Honolulu for a get together between May 11-16
- **Experience and Beyond 2024** later in November, where we seek to break barriers between academia and industry! 🚀

For now, we hope you enjoy this little CHI NL booklet, that highlights some of the research contributions of the CHI NL community to our annual ACM CHI flagship conference.

The CHI NL board

(on behalf of current and previous CHI NL board members, and our wonderful supporters that help grow and support CHI NL)





CHI 2024 Contributions from Dutch Institutions

Papers

Blueprints: Systematizing Behavior Change Designs—The Case of Social Comparison Theory

Roelof A. J. De Vries, Mailin Lemke, Geke D. S. Ludden

University of Twente, Delft University of Technology, Hogeschool Utrecht

“To Click or not to Click”: Back to Basics for Experience Sampling for Office Well-being in Shared Office Spaces

Hans Brombacher, Dimitra Dritsa, Steven Vos, Steven Houben

Eindhoven University of Technology

Evolving Presentation of Self: The Influence of Dementia Communication Challenges on Everyday Interactions

Yvon Ruitenburg, Minha Lee, Panos Markopoulos, Wijnand IJsselsteijn,

Eindhoven University of Technology

ShareYourReality: Investigating Haptic Feedback and Agency in Virtual Avatar Co-embodiment

Karthikeya Puttur Venkatraj, Wo Meijer, Monica Perusquía-Hernández, Gijs Huisman, Abdallah El Ali

Centrum Wiskunde & Informatica, Delft University of Technology

“Cheat Codes as External Support for Players Navigating Fear of Failure and Self-Regulation Challenges In Digital Games”

Karla Waldenmeier, Susanne Poeller, Martin J. Dechant, Nicola Baumann, Regan L. Mandryk

University of Trier, Utrecht University, University College London, University of Victoria

Dealing with Uncertainty: Understanding the Impact of Prognostic Versus Diagnostic Tasks on Trust and Reliance in Human-AI Decision Making

Sara Salimzadeh, Gaole He, Ujwal Gadiraju

Delft University of Technology





Living with Cyanobacteria: Exploring Materiality in Caring for Microbes in Everyday Life

Jiwei Zhou, Zjenja Doubrovski, Elisa Giaccardi, Elvin Karana
Delft University of Technology

Unpacking Norms, Narratives, and Nourishment: A Feminist HCI Critique on Food Tracking Technologies

Daisy O'Neill, Max V. Birk, Regan L. Mandryk
Eindhoven University of Technology, Netherlands; University of Victoria, BC, Canada

Damage Optimization in Video Games: A Player-Driven Co-Creative Approach

Johannes Pfau, Manik Charan, Erica Kleinman, Magy Seif El-Nasr
Utrecht University, Northeastern University, University of California at Santa Cruz

User Experience Design Professionals' Perceptions of Generative Artificial Intelligence

Jie Li, Hancheng Cao, Laura Lin, Youyang Hou, Ruihao Zhu, Abdallah El Ali
EPAM, Stanford University, Google, Notion Labs, Cornell University, Centrum Wiskunde & Informatica

“Are we all in the same boat?” Customizable and Evolving Avatars to Improve Worker Engagement and Foster a Sense of Community in Online Crowd Work

Esra de Groot, Ujwal Gadiraju
Delft University of Technology

Grand Challenges in SportsHCI

Don Samitha Elvitigala, Armağan Karahanoğlu, Andrii Matvienko, Laia Turmo Vidal, Dees Postma, Michael D Jones, Maria F. Montoya, Daniel Harrison, Lars Elbæk, Florian Daiber, Lisa Anneke Burr, Rakesh Patibanda, Paolo Buono, Perttu Hämäläinen, Robby Van Delden, Regina Bernhaupt, Xipei Ren, Vincent Van Rheden, Fabio Zambetta, Elise van den Hoven, Carine Lallemand, Dennis Reidsma, Florian “Floyd” Mueller

Monash University, University of Twente, KTH Royal Institute of Technology, TU Eindhoven, Brigham Young University, Northumbria University, University of Southern Denmark, German Research Center for Artificial Intelligence, University of Salzburg, University of Bari, Beijing Institute of Technology, RMIT University, University of Technology Sydney, University of Luxembourg





The Effect of Spatial Audio on Curvature Gains in VR Redirected Walking

Maarten Gerritse, Michael Rietzler, Christof van Nimwegen, Julian Frommel,
Utrecht University, Ulm University

Was it Real or Virtual? Confirming the Occurrence and Explaining Causes of Memory Source Confusion between Reality and Virtual Reality

Elise Bonnail, Julian Frommel, Eric Lecolinet, Samuel Huron, Jan
Gugenheimer

Télécom Paris - LTCI, Utrecht University, TU Darmstadt

Toxicity in Online Games: The Prevalence and Efficacy of Coping Strategies

Julian Frommel, Regan L Mandryk

Utrecht University, University of Victoria

DungeonMaker: Embedding Tangible Creation and Destruction in Hybrid Board Games through Personal Fabrication Technology

Evgeny Stemasov, Tobias Wagner, Jessica Janek, Omid Rajabi, Anja Schikorr,
Julian Frommel, Jan Gugenheimer, Enrico Rukzio

Ulm University, Utrecht University, TU Darmstadt, Télécom Paris - LTCI

V-FRAMER: Visualization Framework for Mitigating Reasoning Errors in Public Policy

Lily W. Ge, Matthew Easterday, Matthew Kay, Evanthia Dimara, Peter Cheng,
Steven L Franconeri

Utrecht University, Northwestern University, University of Sussex

Design Opportunities for Care Transitions in Dementia: Understanding Informal Caregivers' Experiences Through a Practice-Informed Approach

Maarten Houben, Rens Brankaert, Maudy Gosen, Veerle van Overloop and
Wijnand IJsselsteijn

Eindhoven University of Technology, Archipel Zorggroep, Fontys University of Applied Sciences

A Temporal Vocabulary of Design Events for Research through Design

Doenja Oogjes, Audrey Desjardins

Eindhoven University of Technology, University of Washington

(Un)making AI Magic: A Design Taxonomy

Maria Luce Lupetti, Dave Murray-Rust

Delft University of Technology, Politecnico de Torino





Effects of a Gaze-Based 2D Platform Game on User Enjoyment, Perceived Competence, and Digital Eye Strain

Mark Colley, Beate Wanner, Max Rädler, Marcel Rötzer, Julian Frommel, Teresa Hirzle, Pascal Jansen, Enrico Rukzio
Ulm University, Cornell Tech, Utrecht University, University of Copenhagen

“It Is a Moving Process”: Understanding the Evolution of Explainability Needs of Clinicians in Pulmonary Medicine

Lorenzo Corti, Rembrandt Oltmans, Jiwon Jung, Agathe Balayn, Marlies Wijsenbeek, Jie Yang
Delft University of Technology, Erasmus MC, University Medical Center Rotterdam

Tunnel Runner: a Proof-of-principle for the Feasibility and Benefits of Facilitating Players’ Sense of Control in Cognitive Assessment Games

Benny Markovitch, Panos Markoupolos
Max V. Birk, Eindhoven University of Technology

On the Role of Materials Experience for Novel Interactions with Digital Representations of Historical Pop-up and Movable Books

Willemijn Elkhuisen, Jeff Love, Stefano Parisi, Elvin Karana
Delft University of Technology

(Re)activate, (Re)direct, (Re)arrange: Exploring the Design Space of Direct Interactions with Flavobacteria

Clarice Risseeuw, Holly McQuillan, Joana Martins, Elvin Karana
Delft University of Technology, Avans University of Applied Sciences

Understanding Choice Independence and Error Types in Human-AI Collaboration

Alexander Erlei, Abhinav Sharma, Ujwal Gadiraju
Delft University of Technology

Is it just a score? Understanding Training Load Management Practices Beyond Sports Tracking

Armağan Karahanoğlu, Aykut Coşkun, Dees Postma, Bouke Scheltinga, Ruben Gouveia, Dennis Reidsma, Jasper Reenalda
University of Twente, Koç University





Case Studies

Biometric Methods for User Research: Three Case Studies

Davide Aloj, Sara Bouzit, Jie Li

EPAM

Technological Innovation in the Media Sector: Understanding Current Practices and Unraveling Opportunities

Simone Ooms, Pablo Cesar, Abdallah El Ali, Davide Ceolin, Laura Hollink, Manel Slokom, Valentin Robu, Eric Pauwels, Han La Poutre

Centrum Wiskunde & Informatica

STAPP: Designing a Tool for People with Korsakoff's Syndrome to Re-learn Daily Activities Step by Step

Sanne Beijer, Fenna Dam, Maarten Houben, Rens Brankaert

Eindhoven University of Technology, Luckt B.V, Fontys University of Applied Sciences

Exploring Similarities and Differences in a set of Linked Multiple-site Design Sessions with Children

Janet Read, Gavin Sim, Jerry Alan Fails, Marie A Boden, Jessica L Korte, Sanjana Bhatnagar, Lilly Hope Borchardt, Aurora Constantin, Dina Gavrilescu, Cara Wilson, Judith Good, Valentina Andries, Eva Eriksson

University of Amsterdam

Late Breaking Work

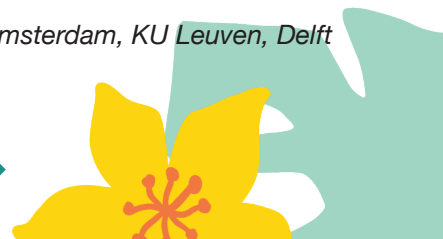
Revealing the Challenges to Automation Adoption in Large Organizations: Examining Practitioner Perspectives

Garoa Gomez-Beldarrain, Himanshu Verma, Euiyoung Kim, Alessandro Bozzon

Delft University of Technology

Transparent AI Disclosure Obligations: Who, What, When, Where, Why, How
Abdallah El Ali, Karthikeya Puttur Venkatraj, Sophie Morosoli, Laurens Naudts, Natali Helberger, Pablo Cesar

Centrum Wiskunde & Informatica, University of Amsterdam, KU Leuven, Delft University of Technology





Practising Appropriate Trust in Human-Centred AI Design

Chadha Degachi, Siddharth Mehrotra, Mireia Yurrita Semperena, Evangelos Niforatos, Myrthe Tielman
Delft University of Technology

SIG

Transforming HCI Research Cycles using Generative AI and “Large Whatever Models” (LWMs)

Passant Elagroudy, Jie Li, Kaisa Väänänen, Paul Lukowicz, Hiroshi Ishii, Wendy Mackay, Elizabeth Churchill, Anicia Peters, Antti Oulasvirta, Rui Prada, Alexandra Diening, Giulia Barbareschi, Agnes Gruenerbl, Midori Kawaguchi, Abdallah El Ali, Fiona Draxler, Robin Welsch, Albrecht Schmidt
German Research Center for Artificial Intelligence (DFKI), EPAM, Tampere University, MIT Media Lab, ExSitu, Inria, LISN, Université Paris-Saclay, Google, National Commission for Research, Science and Technology, Aalto University, INESC-ID, Instituto Superior Técnico, Universidade de Lisboa, Keio University, Centrum Wiskunde & Informatica, University of Mannheim, LMU Munich

Course

HCI Research in Sensitive Settings: Learning Researcher Reflexivity, Ethical Conduct and Empathy in Participatory Design Approaches

Maarten Houben, Minha Lee, Sarah Foley, Kellie Morrissey, and Rens Brankaert
Eindhoven University of Technology, University College Cork, University of Limerick Ireland, Fontys University of Applied Sciences



The Discontent with Intent Estimation In-the-Wild: The Case for Unrealized Intentions

Hayley Hung, Litian Li, Jord Molhoek, Jing Zhou
Delft University of Technology

Beyond the Clock: Rethinking Time in Technologies for People with Dementia

Rucha Khot, Minha Lee, Rens Brankaert, Wijnand IJsselsteijn
Eindhoven University of Technology, Fontys University of Applied Sciences

Workshops


CUI@CHI 2024: Building Trust in CUIs — From Design to Deployment

Smit Desai, Christina Wei, Jaisie Sin, Mateusz Dubiel, Nima Zargham, Shashank Ahire, Martin Porcheron, Anastasia Kuzminykh, Minha Lee, Heloisa Candello, Joel Fischer, Cosmin Munteanu, Benjamin R Cowan
University of Illinois at Urbana-Champaign, University of Toronto, University of British Columbia, University of Luxembourg, University of Bremen, Leibniz University, Bold Insight, Eindhoven University of Technology, sacandello@br.ibm.com IBM Research, University of Nottingham, University of Waterloo, University College Dublin

PhysioCHI: Towards Best Practices for Integrating Physiological Signals in HCI

Francesco Chiossi, Ekaterina R. Stepanova, Benjamin Tag, Monica Perusquía-Hernández, Alexandra Kitson, Arindam Dey, Sven Mayer, Abdallah El Ali
LMU Munich, Simon Fraser University, Monash University, Nara Institute of Science and Technology, Simon Fraser University, Meta, Centrum Wiskunde & Informatica





Designing (with) AI for Wellbeing

Dimitra Dritsa, Loes van Renswouw, Sara Colombo, Kaisa Väänänen, Sander Bogers, Arian Martinez, Jess Holbrook, Aarnout Brombacher
Eindhoven University of Technology, Delft University of Technology, Tampere University, Philips, Microsoft, Meta

EmpathiCH: Scrutinizing Empathy-Centric Design Beyond the Individual

Alok Debnath, Allison Lahnala, Hüseyin Uğur Genç, Ewan Soubutts, Michal Lahav, Tiffanie Horne, Wo Meijer, Yun Suen Pai Keio, Yen-Chia Hsu, Giulia Barbareschi, Himanshu Verma, Andrea Mauri
Trinity College Dublin, University of Bonn, Delft University of Technology, University College London, Google, University Graduate School of Media Design, University of Amsterdam, Université Claude Bernard Lyon

Novel Approaches for Understanding and Mitigating Emerging New Harms in Immersive and Embodied Virtual Spaces: A Workshop at CHI 2024

Guo Freeman, Julian Frommel, Regan L Mandryk, Jan Gugenheimer, Lingyuan Li, Daniel Johnson,
Clemson University, Utrecht University, University of Victoria, TU-Darmstadt, Télécom Paris - LTCl, Institut Polytechnique de Paris, Queensland University of Technology

Sustaining Scalable Sustainability: Human-Centered Green Technology for Community-wide Carbon Reduction

Vikram Mohanty, Jingchao Fang, Song Mi Lee-kan, Hamed S. Alavi, Joaquin Salas, Geneviève Patterson, Elizabeth Churchill, Charlene C. Wu, David A. Shamma
Bosch Research North America, University of California, University of Michigan, University of Amsterdam, Instituto Politécnico Nacional, Ocean Vision AI, Google, Toyota Research Institute





Papers Submitted to Workshops

An Empirical Exploration of Trust Dynamics in LLM Supply Chains

Workshop: TREW: Trust and Reliance in Evolving Human-AI Workflows

Agathe Balayn, Mireia Yurrita, Fanny Rancourt, Fabio Casati, Ujwal Gadiraju,
Delft University of Technology

The Shiny Scary Future of Automated Research Synthesis in HCI

Workshop: LLMs as Research Tools

Katja Rogers

University of Amsterdam

Understanding Stakeholders' Perceptions and Needs Across the LLM Supply Chain

Workshop: HCXAI 2024: Human-Centered Explainable AI

Agathe Balayn, Lorenzo Corti, Fanny Rancourt, Fabio Casati, Ujwal Gadiraju,
Delft University of Technology



Upcoming CHI NL Events

[Mar 21] **GamesCHI Symposium** (Eindhoven)

[Apr 8] **CHI NL General Assembly 2024** (Online)

[Apr 10-11] **ICT.OPEN 2024 - HCI track** (Utrecht)

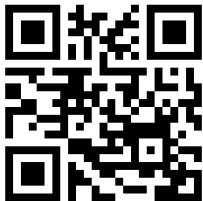
[Apr 12] **CHI NL Community Event 2024** (Pre-CHI) (Utrecht University)

[Nov] **Experience & Beyond 2024** (TBD)

Stay in Touch

To learn more about CHI NL events and activities:

- Visit our website: www.chinederland.nl and join our mailing list
- Join our Slack channel



CHI NL Website



CHI NL Slack





Credits

Design

Jie Li

Editing

Abdallah “Abdo” El Ali

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