



# DAPI 2024

## 12<sup>TH</sup> INTERNATIONAL CONFERENCE ON DISTRIBUTED, AMBIENT AND PERVASIVE INTERACTIONS

Jointly held under one management and one registration with HCI International 2024

<https://2024.hci.international/dapi>

### HCI International 2024

29 June - 4 July 2024  
Washington Hilton Hotel,  
Washington DC, USA

### Chairs

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The 12th International Conference on Distributed, Ambient and Pervasive Interactions (DAPI), an affiliated HCI 2024 conference, provides a forum for interaction and exchanges among researchers, academics, and practitioners. DAPI 2024 extends the scope from by now "traditional" configurations of one or several persons interacting with a limited number of smart devices, e.g., in a smart room, towards ubiquitous smart environments like smart cities and smart ecosystems. This implies the contributions of additional disciplines providing more comprehensive perspectives.

#### The related topics include, but are not limited to:

- **Objectives and Design Approaches for DAPI-Environments**
  - Design Principles: Values, Goals and Guidelines
  - Ethically Aligned Design of Algorithms and Autonomous Systems
  - Design Trade-offs (e.g., Human Control vs. Automation)
  - Human-/People-/Citizen-Centered Design
  - Human-Centered Artificial Intelligence
  - Humane, Sociable and Cooperative Cities
  - Impact of Ambient Intelligence and IoT on Society
  - Participatory Design
  - Privacy, Security, and Trust in Ambient Intelligence Systems
  - Reconciling Humans and Technology
  - Sensory Emotional Values (Aesthetics)
  - Social Issues
- **Information/Interaction/Experience Design for DAPI-Environments**
  - Adaptive and Responsive Environments
  - Crowd- and Swarm-based Interaction
  - Embedded and Embodied Interaction
  - Implicit versus Explicit Interaction
  - Multimodal and Multisensory Interaction
  - "More-than-Human" Interaction, Non-Human Entities
  - Social Interfaces
  - Space-Time Dispersed Interaction
  - Interaction in Hybrid Environments, e.g., symmetry in real and virtual worlds
  - Tangible Interaction
  - User Experience of Privacy, Security and Trust
- **Enabling Technologies, Methods, and Platforms for DAPI-Environments**
  - Artificial Intelligence (AI) and Machine Learning (ML)
  - Ambient and Pervasive Displays
  - Architectures for Emergent and Collective Ambient Intelligence
  - Combining Multiple Devices and Multiple Users
  - Data Science and Recommendation Systems
  - Digital Twins
  - Evaluation Methods and Techniques, Field Studies, Deployments
  - High Performance Computing
  - Human Activity Modelling
  - Indoor vs. Outdoor Tracking
  - Interactive, Smart Materials and Physical Computing
  - Internet of Things (IoT)
  - Sensors and Actuators with their Dependencies
  - Sensor Data: Reliability, Quality, and Combining Multiple Modalities
  - Self-organization in Socially Aware Ambient Systems
  - Spatial and Embodied Smartness
  - Wearable Computing
- **Applications, Solutions, and Systems for DAPI-Environments**
  - Affective Computing
  - Ambient Assisted Living (AAL)
  - Ambient and Pervasive Games in Hybrid/Augmented Worlds
  - Groupware and Multi-User Ambient Environments
  - Healthcare, Tele-Monitoring, and Well-being
  - Intelligent Support for Life during and after Coronavirus Pandemic
  - Immersive Entertainment Environments
  - Industrial Internet / Industry 4.0
  - IoT and Logistics
  - Lifelogging and Personal Informatics
  - Product Memory, Transparency and Consumer Information
  - Smart Artifacts in Smart Environments
- **Smart Cities, Smart Ecosystems, Smart Carbon-Neutral Cities**
  - Beyond "smart-only" Cities
  - Civic and Urban Computing
  - Co-creation of Smart Cities
  - Connected Cars and Automated Driving
  - Connected and Hybrid Cities
  - Environmental Sensing
  - Living Labs, Context Laboratories, and Experiential Landscapes
  - Location-based Smart Services
  - Media Façades and Media Architectures
  - Public and Transient Smart Spaces
  - Smart Airports
  - Smart Ecosystems including Learning Ecosystems
  - Smart Regions and Smart Landscapes
  - Smart Farming
  - Smart Islands
  - Smart Tourism
  - Sustainability, Fair Trade, SDGs
  - Urban Media Art

Conference proceedings published by



Submission deadlines are available at the HCI 2024 website:

<https://2024.hci.international/submissions.html>