



HCI International 2021

24-29 July 2021

The Conference will be held virtually

DAPI 2021

9TH INTERNATIONAL CONFERENCE ON DISTRIBUTED, AMBIENT AND PERSVASIVE INTERACTIONS

Jointly held under one management and one registration with HCI International 2021

<http://2021.hci.international/dapi>

Chairs

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The 9th International Conference on Distributed, Ambient and Pervasive Interactions (DAPI), an affiliated conference of the HCI International 2021 Conference, provides a forum for interaction and exchanges among researchers, academics, and practitioners in the field of HCI for DAPI environments. The DAPI conference addresses approaches and objectives of information, interaction and user experience design for DAPI-Environments as well as their enabling technologies, methods and platforms, and relevant application areas.

The related topics include, but are not limited to:

- **Objectives and Design Approaches for DAPI-Environments**

- Citizen-Centered Design
- Challenges of Adaptive and Responsive Environments
- Cognitive Ergonomics
- Design Principles and Guidelines
- Design Trade-offs (e.g., Human Control vs. Automation)
- Human-/People-Centered Design
- Humane and Sociable Cities
- Impact of Ambient Intelligence and IoT on Society
- Multiple Dimensions of Requirements
- Participatory Design
- Privacy and Trust Issues in Ambient Intelligence Systems
- Reconciling Humans and Technology
- Security in Ambient Intelligence Systems
- Sensory Emotional Values (Aesthetics)
- Social Issues in Ambient Intelligent Environments
- Values and Goals
- Ethically Aligned Design of Algorithms and Autonomous Systems

- **Information/Interaction/Experience Design for DAPI-Environments**

- Crowd- and Swarm-based Interaction
- Embedded and Embodied Interaction
- Implicit versus Explicit Interaction
- Interaction Issues in Hybrid Environments
- Multimodal and Multisensory Interaction
- Natural Interaction
- Space-Time Dispersed Interaction
- Symmetric Interaction in Real and Virtual Worlds
- Tangible Interaction
- Urban Interaction
- User Experience of Privacy and Trust

- **Enabling Technologies, Methods and Platforms for DAPI-Environments**

- Ambient and Pervasive Displays
- Architectures for Emergent and Collective Ambient Intelligence
- Combining Multiple Devices and Multiple Users
- Combining Multiple Sensor Modalities
- Modelling Context Awareness
- Evaluation Methods and Techniques
- Field Studies and Deployments
- Human Activity Modelling
- Indoor vs. Outdoor Tracking
- Instrumented Environments
- Interactive, Smart Materials and Physical Computing
- Internet of Things (IoT)
- Living Labs, Context Laboratories, and Experiential Landscapes
- Machine Learning and Artificial Intelligence in Smart Environments
- Sensors and Actuators with their Dependencies

- Sensor Data: Reliability and Quality
- Data Science in Pervasive Environments
- Self-organization in Socially Aware Ambient Systems
- Social Interfaces
- Spatial and Embodied Smartness
- Wearable Computing
- **Application Areas of DAPI-Environments**
 - Affective Computing
 - Ambient Assisted Living (AAL)
 - Ambient Games
 - Civic Computing
 - Connected Cars and Automated Driving
 - Connected Cities
 - Education and Learning
 - Environmental Sensing
 - Groupware and Multi-User Ambient Environments
 - Healthcare and Well-being
 - Hybrid Cities
 - Intelligent Support for Life during and after Coronavirus Pandemic
 - Immersive Entertainment Environments
 - Industrial Internet / Industry 4.0
 - IoT and Logistics
 - Lifelogging and Personal Informatics
 - Location-based Smart Services
 - Media Façades and Media Architectures
 - Personal Health and Tele-Monitoring
 - Pervasive Games in Hybrid/Augmented Worlds
 - Product Memory, Transparency and Consumer Information
 - Public Transient Smart Spaces
 - Smart Airports
 - Smart Artifacts in Smart Environments
 - Smart Cities
 - Smart Farming
 - Smart Landscapes
 - Smart Learning Ecosystems
 - Sustainability and Fair Trade and SDGs
 - Urban Media Art
 - Urban Computing

Conference proceedings published by



Submission deadlines are available at the HCI 2021 website:
<http://2021.hci.international/submissions>