HCI International 2026

26-31 July 2026
Montreal Convention Centre,
Montreal, Canada

MOBITAS 2026
8TH INTERNATIONAL CONFERENCE ON HCI IN MOBILITY, TRANSPORT AND AUTOMOTIVE SYSTEMS

Jointly held under one management and one registration with HCI International 2026

https://2026.hci.international/mobitas

Chair
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Disruptive technologies in the field of mobility lead to new challenges for users.

Innovative means of transportation, which are characterized by technological, environmentally friendly or conceptual innovations, such as autonomous vehicles, air cabs or e-scooters, are becoming available. To achieve acceptance and safety of these systems, human-machine interaction must be completely rethought.

However, these modes of transportation must also be integrated into intermodal travel chains. Intelligent travel information systems are being developed to make it easier for travelers to plan, book, and complete an intermodal travel chain and to interact with the various systems.

The related topics include, but are not limited to:

- UX-Centered Research & Methodologies
  - UX research in the context of mobility
  - Artificial Intelligence-enabled Human Computer Interaction
  - Explainable Artificial Intelligence in mobility
  - Human-centered Artificial Intelligence for driving decisions (e.g. in emergency situations)
  - Trust in self-learning systems in shared driving mode
  - Visualization of vehicle intentions
  - Evaluation of multimodal interfaces (touch, voice, gestures)
  - UX in VR/AR environments for mobility systems
  - Accessibility and inclusive design
  - Gender-, age- and diversity-sensitive UX
  - Ethics, trust, and acceptance in mobility and Artificial Intelligence enabled Systems
  - Privacy-by-design and data protection in UX
  - Tools and simulations for user-centered development
- In-Vehicle and Traffic System Interaction
  - In-Vehicle Experience Design: From Functionality to Situated Meaning
  - Interfaces for autonomous and (semi-)automated driving
  - Driver assistance systems, navigation, and head-up displays
  - V2X communication interfaces (Vehicle-to-Vehicle, Vehicle-to-Infrastructure)
  - In-car entertainment and gaming interfaces
  - Comparison of input modalities: touch, speech, gesture
- Intelligent & Connected Transportation Systems
  - Cooperative driving and transport systems
  - Smart vehicle interaction
  - Decision support systems for drivers and control centers
  - Visualization of complex traffic data
  - Cybersecurity and trust in connected mobility
- Intermodal & Urban Mobility
  - Mobility-as-a-Service (MaaS): concepts, platforms, and integration
  - Intermodal travel planning, digital ticketing, smart stations
  - UX for car- and bike-sharing services (access, use, billing)
  - User-centered design of mobility platforms
  - Urban air mobility and smart logistics for the last mile
- Sustainability, Environment & Societal Impact
  - Green HCI: UX to support sustainable mobility choices
  - Energy-efficient UI design and resource-saving interactions
  - Digital twins for simulating sustainable mobility behavior
  - Social acceptance of innovation in mobility
- Non-Motorized & Active Mobility
  - HCI for pedestrians and cyclists
  - Interaction design for smart crosswalks, cycling navigation aids
  - UX of apps and wearables promoting active mobility
  - Safety-by-design for vulnerable road users
  - Integration of non-motorized modes in multimodal mobility systems

Submission deadlines are available at the HCII 2026 website:
https://2026.hci.international/submissions.html

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