



The First Chinese Human-Machine Computing Conference (HMCC 2025) and the 21st Joint Conference on Harmonious Human-Machine Environment (HHME 2025)

2025.8.21-2025.8.25 Dalian·China

Conference Organization

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Dalian University

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Conference Overview

The first Chinese Human-Machine Computing Conference (HMCC 2025) and the 21st Joint Conference on Harmonious Human-Machine Environment (HHME 2025), organized by the China Computer Federation (CCF) with co-organization by its Technical Committees on Human-Computer Interaction, Pervasive Computing, and Collaborative Computing, are scheduled to be held in Dalian, China from August 21 to 25, 2025.

The first HMCC 2025 will focus on the multi-dimensional interactions, collaboration, and symbiosis between human-machine dual entities under intelligent development, covering cutting-edge innovation directions in information fields such as intelligent perception, human-computer interaction, human-machine collaboration, ubiquitous/pervasive computing, human-machine-thing fusion computing, social computing, embodied intelligence, swarm intelligence, and human-machine symbiosis. This conference will explore three key aspects of this new computing paradigm: (1) Human-centered computing: Intelligent agents providing proactive, personalized services through context awareness, natural interaction, and wearable computing; (2) Human-machine collaborative computing: Integrating human cognitive capabilities (knowledge, experience) with machine computational power (storage, processing) to solve complex problems/tasks; (3) Human-machine-thing fusion ubiquitous computing: Organically connecting and enhancing human-machine-entity group intelligence to construct self-organizing, adaptive, and continuously evolving smart spaces.

As a premier academic event in China, HHME integrates conferences including the China Human-Computer Interaction Conference (CHCI) and the Pervasive Computing Conference (PCC). It has driven academic exchange, industrial innovation, and industry-academia collaboration in fields like HCI, pervasive computing, AI, and smart wearables. The 21st HHME 2025 will build upon its 20-year legacy to initiate a new decade of advancements.

These dual conferences will be held concurrently, welcoming researchers from universities, enterprises, and institutes worldwide to participate in this grand event, share research achievements, and collaboratively explore frontier technologies and industry development for harmonious human-machine coexistence!

China Human-Computer Interaction Conference (CHCI)

Human-Computer Interaction (HCI) focuses on the design, implementation, and evaluation of interactive computing systems to enhance information exchange capabilities between humans and computational systems. The continuous evolution of HCI technologies has broken through usability barriers, transforming computing from specialized scientific tools for a limited group of experts into indispensable daily applications for billions of people. This field plays an increasingly vital role in national science and technology strategies, information technology innovation, and socio-economic development, garnering significant attention from both academia and industry.

Conference Topics (Including but not limited to):

- HCI Theories, Methods, and Systems
- HCI Design and Interface Evaluation
- Natural Human-Computer Interaction Technologies, Systems, and Interfaces
- Virtual/Augmented Reality Interaction
- Novel Interactive Interfaces and Materials
- Human-Machine Collaboration and Multi-User Cooperative Interaction
- Multi-Modal HCI (Auditory, Visual, Tactile, Olfactory)
- Human-Machine Hybrid Intelligence Methods and Technologies
- Accessible Interaction for Information Accessibility
- Multimodal Computing and Perception

Pervasive Computing Conference(PCC)

Since the 1990s, pervasive computing has evolved from a conceptual framework into a novel computing paradigm. Built upon rapid advancements and maturing technologies such as distributed computing, mobile computing, embedded systems, positioning technologies, and sensors, it aims to deliver ubiquitous, invisible, and omnipresent computational capabilities, characterized by pervasiveness, convenience, and adaptability. As an academic exchange platform, this conference welcomes researchers, designers, developers, and practitioners to actively contribute and participate, collectively exploring the latest advancements in the design, development, deployment, evaluation, and understanding of pervasive computing systems.

Conference Topics (Including but not limited to):

- Ubiquitous Computing Theories and Models
- Ubiquitous Computing and Context Awareness
- Ubiquitous Computing Systems and Platforms
- Ubiquitous Devices and Interconnectivity
- Intelligent Sensing Technologies
- IoT Technologies
- Natural Interaction Interfaces
- Ubiquitous Computing Applications
- Big Data in Ubiquitous Computing

Related Links

Conference Website Link: <https://hhme.ccf.org.cn/index1.html>

CHCI Call for Papers Link: https://hhme.ccf.org.cn/ZGTZ_CHCI.html

PCC Call for Papers Link: https://hhme.ccf.org.cn/ZGTZ_PCC.html

Call for Papers Link: <https://conf.ccf.org.cn/HHME2025/paper>

Sponsor Link: <https://mp.weixin.qq.com/s/V1ws9hCsZRGvcNLyp0Swtw>

Paper Submission

- The conference accepts three types of submissions: Regular Full/Short Papers, Extended Abstract Papers, and Top-Tier Conference/Journal Papers.
- Regular Papers: Submissions in both Chinese and English are accepted. Full papers should be 8–10 pages, while short papers should be 4–6 pages.
- Extended Abstract Papers: Submissions in both Chinese and English are allowed. Authors must select the "Extended Abstract Paper" category in the submission system. These papers will not be eligible for Best Paper awards.
- Top-Tier Conference/Journal Presentation Papers: This category invites Chinese scholars to share their recent (within the past year) accepted or published works from top-tier conferences or journals, such as ACM Ubicomp/IMWUT, ACM MobiCom, ACM MobiSys, ACM SenSys, IEEE PerCom (conferences), and JSAC, TMC, TON (journals). Authors will present their research via Oral or Poster presentations at the conference.
- The finally accepted papers will have the opportunity to be published in the Springer Proceedings(indexed by EI).

- Submission system: <https://conf.ccf.org.cn/HHME2025/paper>

Key Information

Paper Submission Deadline: 1 June 2025

Paper Acceptance Notification Date: 1 July 2025

Revised Paper Submission Deadline: 9 July 2025

Conference Venue: Shangri-La Hotel

Contact Information

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