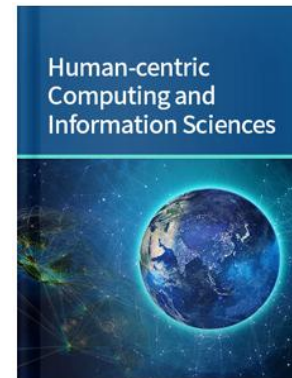


HCIS Journal (2025 Edition)
(Call for Papers & Published Papers)

Human-centric Computing and Information Sciences (HCIS)
ISSN: 2192-1962, Editor-in-Chief: Jong Hyuk Park
Impact Factor: 3.9
<http://hcsij.com/>

Human-centric Computing and Information Sciences (HCIS) received an official Impact Factor of 3.9, ranks 66/249 (JIF Top Rank 26.3%) in category "COMPUTER SCIENCES, INFORMATION SYSTEMS", which was released in the 2024 Journal Citation Reports® (Clarivate Analytics, 2023).

**1. Call for Papers**

- **Special Issues (Opening)**

Special Issue on**◆ Human-centric Quantum Technology and its Applications****Important Dates & Lead Guest Editor**

- Manuscript Submission Open: 1 November. 2024
- Manuscript Submission Deadline: 31 March 2025
- Author's Revision Notification Date: 30 June 2025
- Final Decision Notification Date: 30 July 2025
- Publication Date: 2025 (pending)

Guest Editors: Prof. Neal Xiong, Prof. Marcin Woźniak, Prof. Houbing Song, Prof. WenZhan Song

CFP Link: [Human-centric Quantum Technology and its Applications](#)

- **Regular Issues (Opening)**

Aims and Scope

Human-centric Computing and Information Sciences (HCIS) publishes outstanding research papers which cover the various theories and practical applications related to human-centric computing and information sciences. The papers that we publish present results of significant value in relation to the need to solve various problems with application services and other problems falling within the scope of HCIS. Furthermore, we expect that they will trigger further related research and technological improvements relevant to our future lives.

Topics

Human-centric Computing and Information Sciences is related to the continuous evolution and convergence of information technologies, including the following:

-
- Human-computer Interaction and the Multimodal
 - Internet of Things and Sensors
 - Cloud, Edge and Fog Computing
 - Social Computing and Intelligence
 - Computer-assisted Learning and Cognition
 - Blockchain and Data Mining
 - Privacy, Security and Cryptography
 - AI and Big Data Analytics for HCIS
 - Ambient Intelligence
 - Cyber-physical Systems and Smart Devices
 - Mobile Computing and Wireless Communications
 - Smart city - applications and services
 - Quantum information technology (application and services)
 - Metaverse applications and services
 - HCIS Services, Applications, and Implementations
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http://hcisj.com/about/editorial_board.php

2. Published Papers (2025)

- Article Title: RSPDT: Randomized Search Probabilistic Decision Tree Classifier for Pollution Level Prediction in Smart Cities

Authors: T. R. Mahesh¹, A. Balajee¹, D. Ramya Dorai¹, Laveena Sehgal², Surbhi Bhatia Khan^{3,4,5}, V. Vinoth Kumar⁶, and Ahlam Almusharraf⁷

Publication Title: Human-centric Computing and Information Sciences 2025 15:27

Research Published on: 15 May 2025

<https://doi.org/10.22967/HCIS.2025.15.027>

- Article Title: Dynamic Resource Management Scheme for Digital Twin on Cloud-Native Computing

Authors: Gi Tae Kim¹, Byeonghui Jeong², and Young-Sik Jeong^{2,*}

Publication Title: Human-centric Computing and Information Sciences 2025 15:26

Research Published on: 15 May 2025

<https://doi.org/10.22967/HCIS.2025.15.026>

- Article Title: An Efficient Energy-Aware Video Service for Smart Devices in Human-Centered Multimedia Systems

Authors: Jingyu Zhang^{1,2,3}, Yongtao Sun², R. Simon Sherratt⁴, Fayez Alqahtani⁵, Wael Said⁶, and Min Zhu^{7,*}

Publication Title: Human-centric Computing and Information Sciences 2025 15:25

Research Published on: 15 May 2025

<https://doi.org/10.22967/HCIS.2025.15.025>

- Article Title: Research Paper Classification Based on CNN and BiLSTM Models Utilizing Word Embedding Methods

Authors: Dipto Biswas¹, Tae-Young Byun², and Joon-Min Gil^{3,*}

Publication Title: Human-centric Computing and Information Sciences 2025 15:24

Research Published on: 30 April 2025

<https://doi.org/10.22967/HCIS.2025.15.024>

- Article Title: Blockchain-Enabled Cognitive Approach for Record Sharing Security and Privacy

Authors: Farooq Ahmed^{1,2}, Chi Zhang^{2,*}, Linbo Wei², Xudong Li², and Shehzad Ashraf Chaudhry^{3,4}

Publication Title: Human-centric Computing and Information Sciences 2025 15:23

Research Published on: 30 April 2025

<https://doi.org/10.22967/HCIS.2025.15.023>

- Article Title: Blockchain-Enabled IDPS and Federated Learning for Enhancing CPS Security against Advanced Persistent Threats in Zero Trust Architectures

Authors: Tuba Arif¹, Byunghyun Jo¹, Jungho Kang², and Jong Hyuk Park^{1,*}

Publication Title: Human-centric Computing and Information Sciences 2025 15:22

Research Published on: 30 April 2025

<https://doi.org/10.22967/HCIS.2025.15.022>

- Article Title: Advanced Mobile Robot Navigation to Support Smart Home Care within Smart Cities

Authors: Radim Hercik*, Jan Vanus, Radek Byrtus, Tomas Jahn, Petr Bilik, and Jiri Koziorek

Publication Title: Human-centric Computing and Information Sciences 2025 15:21

Research Published on: 15 April 2025

<https://doi.org/10.22967/HCIS.2025.15.021>

- Article Title: Improved Deep Learning Structure with Lightweight Depthwise Convolutions for Human Activity Recognition

Authors: Seungwoo Jang¹ and Im Y. Jung^{2,*}

Publication Title: Human-centric Computing and Information Sciences 2025 15:20

Research Published on: 15 April 2025

<https://doi.org/10.22967/HCIS.2025.15.020>

- Article Title: A Novel Intrusion Detection Method for Imbalanced Datasets

Authors: Qiang Li, Yanfang Fu*, Zijian Cao, Zhiqiang Du, and Qizhe Zhang

Publication Title: Human-centric Computing and Information Sciences 2025 15:19

Research Published on: 15 April 2025

<https://doi.org/10.22967/HCIS.2025.15.019>

- Article Title: Out-of-distribution Detection by Quantifying the Uncertainty with the Stochastic Weight Ensemble

Authors: Zongjing Cao, Yan Li, and Byeong-Seok Shin*

Publication Title: Human-centric Computing and Information Sciences 2025 15:18

Research Published on: 30 March 2025

<https://doi.org/10.22967/HCIS.2025.15.018>

- Article Title: Hierarchical Optimization for Asynchronous Vertical Federated Learning

Authors: Xinchao Li*, Zhixian Zhang, Shiyong Yang, and Xuhua Zhou

Publication Title: Human-centric Computing and Information Sciences 2025 15:17

Research Published on: 30 March 2025

<https://doi.org/10.22967/HCIS.2025.15.017>

- Article Title: Privacy Preservation in Artificial Intelligence-Enabled Healthcare Analytics

Authors: Shancang Li^{1,*}, Muddesar Iqbal², Ali Kashif Bashir^{3,4}, and Xinheng Wang⁵

Publication Title: Human-centric Computing and Information Sciences 2025 15:16

Research Published on: 30 March 2025

<https://doi.org/10.22967/HCIS.2025.15.016>

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Journal Citation: Q2 (66/249)

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