

## HCIS Journal (2023 Edition) (Call for Papers & Published Papers)

**Human-centric Computing and Information Sciences (HCIS)**  
ISSN: 2192-1962, Editor-in-Chief: Jong Hyuk Park  
"Impact Factor: 6.558, (JCR-Q1 ranked, Web of Science 2021)"  
<http://hcsij.com/>

### Important Notice

We are happy to share the exciting news that Human-centric Computing and Information Sciences (HCIS) received an official Impact Factor of 6.558, ranks 27/164 (Q1) in the category "COMPUTER SCIENCES, INFORMATION SYSTEMS", which was released in the 2021 Journal Citation Reports® (Clarivate Analytics, 2022).



### 1. Call for Papers

#### • Special Issues (Opening)

##### Special Issue on

**Artificial Intelligence and Cybertwin-assisted Pervasive Computing:  
Concepts, Advancements and Future Perspectives Applications**

##### Important Dates & Lead Guest Editor

Submission deadline: 30 March 2023

Guest Editor: Dr. Gaurav Dhiman, Department of Computer Science and Engineering, Graphic Era Deemed to be University, India

CFP Link:

[http://hcsij.com/issues/issue\\_view.php?wr\\_id=20&type=1](http://hcsij.com/issues/issue_view.php?wr_id=20&type=1)

##### Special Issue on

**Ensuring Cognitive Computing Technologies For Futuristic Applications Important Dates & Lead Guest Editor**

Submission deadline: 28 February 2023

Guest Editor: Dr. Muhammad Ibrahim, Assistant Professor, University of Haripur, Pakistan

CFP Link:

[http://hcsij.com/issues/issue\\_view.php?wr\\_id=19&type=1](http://hcsij.com/issues/issue_view.php?wr_id=19&type=1)

#### • Regular Issues (Opening)

##### Aims and Scope

In Human-centric Computing and Information Sciences (HCIS), KIPS-CSWRG publishes high-quality papers that cover the various theories and practical applications related to human-centric computing and information sciences. The published papers present results of significant value to solve the various problem with application services and other problems which are within the scope of HCIS. In addition, we expect they will trigger further related research and technological improvements relevant to our future lives.

##### Topics

Human-centric Computing and Information Sciences stand for the continuously evolving and converging information technologies, including:

- Human-computer interaction and 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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### Editorial Board

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You can find the details on the following HCIS website.

[http://hcisj.com/about/editorial\\_board.php](http://hcisj.com/about/editorial_board.php)

## 2. Published Papers (2023)

- Article Title: Fast Visual Tracking with Squeeze and Excitation Region Proposal Network  
Publication Title: Human-centric Computing and Information Sciences  
Posted Online Date: 15 February 2023  
Authors: Cao D., Dai R., Wang J., B. Ji, O. Alfarraj, A. Tolba, P. K. Sharma, & M. Zhu  
<https://doi.org/10.22967/HCIS.2023.13.007>
- Article Title: Quantum Machine Learning Applied to Electronic Healthcare Records for Ischemic Heart Disease Classification  
Publication Title: Human-centric Computing and Information Sciences  
Posted Online Date: 15 February 2023  
Authors: D. Maheshwari, U. Ullah, P. A. O. Marulanda, A. G. Jurado, I. D. Gonzalez, J. N. O. Merodio, & B. Garcia-Zapirain  
<https://doi.org/10.22967/HCIS.2023.13.006>
- Article Title: A Low Overhead and Scalable Authentication and Encryption Scheme for Medical Wireless Sensor Networks  
Publication Title: Human-centric Computing and Information Sciences  
Posted Online Date: 30 January 2023  
Authors: MAnna, M.S., Islam, S., & Habib, A. K. M. A.  
<https://doi.org/10.22967/HCIS.2023.13.005>

- Article Title: Supply Chain Management Using an Industrial Internet of Things Hyperledger Fabric Network  
 Publication Title: Human-centric Computing and Information Sciences  
 Posted Online Date: 30 January 2023  
 Authors: Rehan, M., Javed, A. R., Kryvinska, N., Gadekallu, T. R., Srivastava, G. & Jalil, Z.  
<https://doi.org/10.22967/HCIS.2023.13.004>

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- Article Title: A Knowledge-Based Human-Computer Interaction System for the Building Design Evaluation Using Artificial Neural Network  
 Publication Title: Human-centric Computing and Information Sciences  
 Posted Online Date: 15 January 2023  
 Authors: Zhao, D., Liu, Y., Zeng, G., Wang, X., Miao, S., & Gao, W.  
<https://doi.org/10.22967/HCIS.2023.13.002>

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- Article Title: An Augmented SLAM Method with a Visual-Lidar-Equipped Unmanned Vehicle for Detecting Control Measures against COVID-19  
 Publication Title: Human-centric Computing and Information Sciences  
 Posted Online Date: 15 January 2023  
 Authors: Liang, S., Xie, M., Garg, S., Kaddoum, G., Hassan, M. M., & Aqahtanui, S. A.  
<https://doi.org/10.22967/HCIS.2022.13.001>

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- Article Title: Related-Key Amplified Boomerang Attack on Full-Round MM-128  
 Publication Title: Human-centric Computing and Information Sciences  
 Posted Online Date: 15 January 2023  
 Authors: Eom, H., Seok, B., & Lee, C.  
<https://doi.org/10.22967/HCIS.2023.13.002>

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- Article Title: The Future of Metaverse: Security Issues, Requirements, and Solutions  
 Publication Title: Human-centric Computing and Information Sciences  
 Posted Online Date: 30 December 2022  
 Authors: Choi, M., Azzaoui, A. El., Singh, S. K., Salim, M. M., Jeremiah, S. R., & Park, J. H.  
<https://doi.org/10.22967/HCIS.2022.12.060>

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- Article Title: Mapping Deep Learning Technologies for Mobile Networks with the Internet of Things  
 Publication Title: Human-centric Computing and Information Sciences  
 Posted Online Date: 30 December 2022  
 Authors: Chu, H. C., Chang, C. Y., & Chao, H. C.  
<https://doi.org/10.22967/HCIS.2022.12.059>

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- Article Title: Application of Deep Learning to the Production of Sub-divided Land Cover Maps  
 Publication Title: Human-centric Computing and Information Sciences  
 Posted Online Date: 30 December 2022  
 Authors: Seo, B., Jang, S., Bong, J., Park, K., Lee, I., & Jeong, M.  
<https://doi.org/10.22967/HCIS.2022.12.058>

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- Article Title: Predicting the Risk of Heart Failure Based on Clinical Data  
 Publication Title: Human-centric Computing and Information Sciences  
 Posted Online Date: 15 December 2022  
 Authors: Sandhu, J. K., Lilhore, U. K., Poongodi, M., Kaur, N., Band, S. S., Hamdi, M.,...& Mosavi, A. H.  
<https://doi.org/10.22967/HCIS.2022.12.057>

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- Article Title: A Novel Neural Calculation Model for Evaluating the Performance of Sanda Athletes  
 Publication Title: Human-centric Computing and Information Sciences  
 Posted Online Date: 15 December 2022  
 Authors: Huang, L., Xiniao, L., & Wang, G.  
<https://doi.org/10.22967/HCIS.2022.12.056>

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- Article Title: Healthcare Ledger Management: A Blockchain and Machine Learning-Enabled Novel and Secure Architecture for Medical Industry  
 Publication Title: Human-centric Computing and Information Sciences  
 Posted Online Date: 30 November 2022  
 Authors: Khan, A. A., Laghari, A. A., Shafiq, M., Cheikhrouhou, O., Alhakami, W., Hamam, H., & Shaikh, Z. A.

- Article Title: Identification of Triple Negative Breast Cancer Genes Using Rough Set Based Feature Selection Algorithm & Ensemble Classifier  
Publication Title: Human-centric Computing and Information Sciences  
Posted Online Date: 30 November 2022  
Authors: Patil, S., Balmuri, K. R., Frnda, J., Parameshachari, B. D., Konda, S. & Nedoma, J.  
<https://doi.org/10.22967/HCIS.2022.12.054>

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  - Article Title: Binary and Multi-Class Assessment of Face Mask Classification on Edge AI Using CNN and Transfer Learning  
Publication Title: Human-centric Computing and Information Sciences  
Posted Online Date: 30 November 2022  
Authors: Kristiani, E., Tsan, T. T., Liu, P. Y., Yen, N. Y., & Yang, C. T.  
<https://doi.org/10.22967/HCIS.2022.12.053>

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  - Article Title: Detection and Mathematical Modeling of Anxiety Disorder Based on Socioeconomic Factors Using Machine Learning Techniques  
Publication Title: Human-centric Computing and Information Sciences  
Posted Online Date: 15 November 2022  
Authors: Alsuwailam, R. I., & Bhatia, S.  
<https://doi.org/10.22967/HCIS.2022.12.052>

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  - Article Title: Comparative Neural Network Based on Template Cluster for Automated Abnormal Beat Detection in Electrocardiogram Signals  
Publication Title: Human-centric Computing and Information Sciences  
Posted Online Date: 15 November 2022  
Authors: Lee, S., & Park, D.  
<https://doi.org/10.22967/HCIS.2022.12.051>

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  - Article Title: Sensor-Based Human Activity Recognition in Smart Homes Using Depthwise Separable Convolutions  
Publication Title: Human-centric Computing and Information Sciences  
Posted Online Date: 30 October 2022  
Authors: Alghazzawi, D., Rabie, O., Bamasaq, O., Albeshri, A., & Asghar, M. Z.  
<https://doi.org/10.22967/HCIS.2022.12.050>

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  - Article Title: Radiation Pneumonitis Prediction Using Multi-Omics Fusion Based on a Novel Machine Learning Pipeline  
Publication Title: Human-centric Computing and Information Sciences  
Posted Online Date: 30 October 2022  
Authors: Li, B., Zheng, X., Gua, W., Wang, Y., Mao, R.,.....&, Ge, H.  
<https://doi.org/10.22967/HCIS.2022.12.049>

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  - Article Title: Improving Mental Models in IoT End-User Development  
Publication Title: Human-centric Computing and Information Sciences  
Posted Online Date: 30 October 2022  
Authors: Zancanaro, M., Gallitto, G., Yem, D., & Treccani, B.  
<https://doi.org/10.22967/HCIS.2022.12.048>

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  - Article Title: Occupancy Detection in Smart Home Space Using Interoperable Building Automation Technologies  
Publication Title: Human-centric Computing and Information Sciences  
Posted Online Date: 15 October 2022  
Authors: Vanus, J., Martinek, R., Danys, L., Nedoma, J., & Bilik, P.  
<https://doi.org/10.22967/HCIS.2022.12.047>

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  - Article Title: Multi-Scale Feature-Based Spatiotemporal Pyramid Network for Hand Gesture Recognition  
Publication Title: Human-centric Computing and Information Sciences  
Posted Online Date: 30 September 2022  
Authors: Cao, Z., Li, Y., & Shin, B. S.  
<https://doi.org/10.22967/HCIS.2022.12.046>
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- Article Title: Understanding Stochastic Modeling Approach for Container-Based SFC Service Analysis  
Publication Title: Human-centric Computing and Information Sciences  
Posted Online Date: 30 September 2022  
Authors: Zhao, Y., Li, Y., & Chao, H. C.  
<https://doi.org/10.22967/HCIS.2022.12.045>

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- Article Title: An Intelligent Model for Predicting the Students' Performance with Backpropagation Neural Network Algorithm Using Regularization Approach  
Publication Title: Human-centric Computing and Information Sciences  
Posted Online Date: 30 September 2022  
Authors: Bukhari, M. M., Ullah, S. S., Uddin, M., Hussain, S., Abdelhaq, M., & Alsaqour, R.  
<https://doi.org/10.22967/HCIS.2022.12.044>

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- Article Title: Preserving the Privacy of Dependent Tuples Using Enhanced Differential Privacy  
Publication Title: Human-centric Computing and Information Sciences  
Posted Online Date: 30 September 2022  
Authors: Ali, S., Wang, G., Riaz, S., & Rafique, T.  
<https://doi.org/10.22967/HCIS.2022.12.043>

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- Article Title: MetaQ: A Quantum Approach for Secure and Optimized Metaverse Environment  
Publication Title: Human-centric Computing and Information Sciences  
Posted Online Date: 15 September 2022  
Authors: Kwon, H. J., Azzaoui, A. El, & Park, J. H.  
<https://doi.org/10.22967/HCIS.2022.12.042>

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- Article Title: Privacy-Aware Retrieval of Electronic Medical Records by Fuzzy Keyword Search  
Publication Title: Human-centric Computing and Information Sciences  
Posted Online Date: 15 September 2022  
Authors: Jia, C., Chunyan, J., Kong, L., Lin, W., & Qi, L.  
<https://doi.org/10.22967/HCIS.2022.12.041>

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## Indexing Services

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All articles published in Human-centric Computing and Information Sciences are listed in the following indexing services:

Science Citation Index Expanded (SCIE), Scopus, Google Scholar, DOAJ, OCLC, SCImage, Summon by ProQuest

Impact Factor: 6.558

<https://jcr.clarivate.com/jcr-jp/journal-profile?journal=HUM-CENT%20COMPUT%20INFO&year=2021&fromPage=%2Fjcr%2Fhome>

Journal Citation: Q1 (27/164)

<https://jcr.clarivate.com/jcr-jp/journal-profile?journal=HUM-CENT%20COMPUT%20INFO&year=2021&fromPage=%2Fjcr%2Fhome>

Citation Score: 11.70 (13/231, Q1), Source Normalize: 2.722, SCImage: 1.777

<https://www.scopus.com/sourceid/21100358314>

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## Submission

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=Preparing Manuscript=

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**-The End-**

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