

**HCIS Journal (2022 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://hcisj.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 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**

**Blockchain Technologies and Big Data Applications for Industrial Internet of Things**

**Important Dates & Lead Guest Editor**

Submission deadline: 31 October 2022

Guest Editor: Dr. Subhendu Kumar Pani, Krupajal Engineering College, BPUT, Odisha, India

CFP Link:

[http://hcisj.com/issues/special\\_issues13.php](http://hcisj.com/issues/special_issues13.php)

- **Special Issues (Opening)**

**Special Issue on**

**IoT-based Edge Analytics for Human-centric and Industrial Automation Applications**

**Important Date & Lead Guest Editor**

Submission deadline: 31 August 2022

Guest Editor: Dr. Venkatachalam K., University of Hradec Králové, Czech Republic

CFP Link:

[http://hcisj.com/issues/special\\_issues12.php](http://hcisj.com/issues/special_issues12.php)

**Special Issue on**

**Emerging Trends and Challenges of Cyborg in Smart Cities**

**Important Date & Lead Guest Editor**

Submission deadline: 31 July 2022

Guest Editor: Ali Kashif Bashir, Manchester Metropolitan University, UK

CFP Link:

[http://hcisj.com/issues/special\\_issues11.php](http://hcisj.com/issues/special_issues11.php)

**Special Issue on**

**Moving Toward Metaverse: Emerging Challenges in Next-Generation Human-Computer Interaction, Service Provision, and Social Society**

**Important Date & Lead Guest Editor**

Submission deadline: 31 August 2022

Guest Editor: Neil Y. Yen, University of Aizu, Japan

CFP Link:

[http://hcisj.com/issues/special\\_issues10.php](http://hcisj.com/issues/special_issues10.php)

### **Special Issue on**

### **Quantum Computing and Intelligence for Human-centric IoT Applications**

### **Important Dates & Lead Guest Editor**

Submission deadline: 30 May 2022

Guest Editor: Dr. Mazin Abed Mohammed, College of Computer Science and Information Technology, University of Anbar, Iraq

CFP Link:

[http://hcisj.com/issues/special\\_issues09.php](http://hcisj.com/issues/special_issues09.php)

### **• 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://hcsij.com/about/editorial\\_board.php](http://hcsij.com/about/editorial_board.php)

**2. Published Papers (2022)**

- Article Title: Quantum Mutation Reptile Search Algorithm for Global Optimization and Data Clustering  
Publication Title: Human-centric Computing and Information Sciences  
Posted Online Date: 30 June 2022  
Authors: Almodfer, R., Mudhsh, M., Chelloug, S., Shehab, M., Abualigah, L., & Elaziz, M. ABD  
<https://doi.org/10.22967/HCIS.2022.12.030>

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- Article Title: Multi-Scale Keypoints Feature Fusion Network for 3D Object Detection from Point Clouds  
Publication Title: Human-centric Computing and Information Sciences  
Posted Online Date: 30 June 2022  
Authors: Zhang, X., Bai, L., Zhang, Z., & Li, Y.  
<https://doi.org/10.22967/HCIS.2022.12.029>

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- Article Title: A Three-Layered Student Learning Model for Prediction of Failure Risk in Online Learning  
Publication Title: Human-centric Computing and Information Sciences  
Posted Online Date: 30 June 2022  
Authors: Hooshyar, D., Huang, Y. M., & Yang, Y.  
<https://doi.org/10.22967/HCIS.2022.12.028>

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- Article Title: Twitter Spam Detection via Bilinear Autoencoding Reconstruction Error  
Publication Title: Human-centric Computing and Information Sciences  
Posted Online Date: 15 June 2022  
Authors: He, Q., Zhang, S., Li, B., & Yin, C.  
<https://doi.org/10.22967/HCIS.2022.12.027>

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- Article Title: Efficient Shadow Generation of Massive Crowds Based on the Area of Screen Space  
Publication Title: Human-centric Computing and Information Sciences  
Posted Online Date: 15 June 2022  
Authors: Sung, M.  
<https://doi.org/10.22967/HCIS.2022.12.026>

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- Article Title: Gastrointestinal Diseases Recognition: A Framework of Deep Neural Network and Improved Moth-Crow Optimization with DCCA Fusion  
Publication Title: Human-centric Computing and Information Sciences  
Posted Online Date: 30 May 2022  
Authors: Khan, M. A., Muhammad, K., Shui-Hua, W., Shtwai, A., Adel, B., Abdullah, A., & Orawit, T.  
<https://doi.org/10.22967/HCIS.2022.12.025>

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- Article Title: An IoMT-Based Federated and Deep Transfer Learning Approach to the Detection of Diverse Chest Diseases Using Chest X-Rays  
Publication Title: Human-centric Computing and Information Sciences  
Posted Online Date: 30 May 2022  
Authors: Kakkar, B., Johri, P., Kumar, Y., Park, H., Son, Y., & Shafi, J.  
<https://doi.org/10.22967/HCIS.2022.12.024>

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- Article Title: CCTSDB 2021: A More Comprehensive Traffic Sign Detection Benchmark  
Publication Title: Human-centric Computing and Information Sciences  
Posted Online Date: 30 May 2022  
Authors: Jhang, J., Zou, X., Kuang, L. D., Wang, J., Sherratt, R. S., & Yu, X.  
<https://doi.org/10.22967/HCIS.2022.12.023>

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- Article Title: Biologically Inspired CNN Network for Brain Tumor Abnormalities Detection and Features Extraction from MRI Images  
Publication Title: Human-centric Computing and Information Sciences  
Posted Online Date: 15 May 2022  
Authors: Swarup, C., Kumar, A., Singh, K., Singh, T., Raja, L., Kumar, K., & Dubey, R.  
<https://doi.org/10.22967/HCIS.2022.12.022>
- 
- Article Title: Abnormal Behavior Detection Based on Activity Level Using Fuzzy Inference System for Wheelchair Users  
Publication Title: Human-centric Computing and Information Sciences  
Posted Online Date: 15 May 2022  
Authors: Ma, C., Du, J., & Gravina, R.  
<https://doi.org/10.22967/HCIS.2022.12.021>
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- Article Title: A Secret Sharing-Based Distributed Cloud System for Privacy Protection  
Publication Title: Human-centric Computing and Information Sciences  
Posted Online Date: 30 April 2022  
Authors: Kim, T. W., Azzaoui, A. E., Koh, B., Kim, J., & Park, J. H.  
<https://doi.org/10.22967/HCIS.2022.12.020>
- 
- Article Title: A Flexible Multiband Multicarrier Signal Design for Broadband Channel Sounding Applications  
Publication Title: Human-centric Computing and Information Sciences  
Posted Online Date: 30 April 2022  
Authors: Iqbal, A., Drieberg, M., Jeoti, V., Aziz, A. B. A., Stojanovic, G. M., Simic, M. & Hussain, N.  
<https://doi.org/10.22967/HCIS.2022.12.019>
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- Article Title: Dual-Level Sensor Selection with Adaptive Sensor Recovery to Extend WSNs' Lifetime  
Publication Title: Human-centric Computing and Information Sciences  
Posted Online Date: 30 April 2022  
Authors: Salim, O. M., Fouad, K. M., & Hassan, B.  
<https://doi.org/10.22967/HCIS.2022.12.018>
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- Article Title: Research on a Driver Fatigue Detection Model Based on Image Processing  
Publication Title: Human-centric Computing and Information Sciences  
Posted Online Date: 15 April 2022  
Authors: Mu, Z., Jin, L., Yin, J., & Wang, Q.  
<https://doi.org/10.22967/HCIS.2022.12.017>
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- Article Title: Web Session Hijacking Defense Technique Using User Information  
Publication Title: Human-centric Computing and Information Sciences  
Posted Online Date: 15 April 2022  
Authors: Hwang, W. S., Shon, J. G., & Park, J. S.  
<https://doi.org/10.22967/HCIS.2022.12.016>
- 
- Article Title: Multimodal Medical Image Fusion Based on Pixel Significance Using Anisotropic Diffusion and Cross Bilateral Filter  
Publication Title: Human-centric Computing and Information Sciences  
Posted Online Date: 30 March 2022  
Authors: Lepcha, D. C., Dogra, A., Goyal, B., Chohan, J. S., Koundal, D., Zaguia, A., & Hamam, H.  
<https://doi.org/10.22967/HCIS.2022.12.015>
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- Article Title: A Hybrid Fuzzy-Crow Optimizer for Unconstrained and Constrained Engineering Design Problems  
Publication Title: Human-centric Computing and Information Sciences  
Posted Online Date: 30 March 2022  
Authors: Gafar, M. G., El-Sehiemy, A. A., & Sarhan, S.  
<https://doi.org/10.22967/HCIS.2022.12.014>
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- Article Title: Trustworthy Dynamic Data Awareness Model for Tracking in CPS  
Publication Title: Human-centric Computing and Information Sciences  
Posted Online Date: 30 March 2022  
Authors: Kim, S., Kim, S., & Yoon, Y.  
<https://doi.org/10.22967/HCIS.2022.12.013>

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- Article Title: Terrorist Organization Identification Using Link Prediction over Heterogeneous GNN  
Publication Title: Human-centric Computing and Information Sciences  
Posted Online Date: 15 March 2022  
Authors: Bangerter, M. L., Fenza, G., Gallo, M., Loia, V., Petrone, A., & Volpe, A.  
<https://doi.org/10.22967/HCIS.2022.12.012>
- 
- Article Title: Face Detection Using Haar Cascade Classifiers Based on Vertical Component Calibration  
Publication Title: Human-centric Computing and Information Sciences  
Posted Online Date: 15 March 2022  
Authors: Choi, C. H., Kim, J., Hyun, J., Kim, Y., & Moon, B.  
<https://doi.org/10.22967/HCIS.2022.12.011>
- 
- Article Title: Face Detection Using Haar Cascade Classifiers Based on Vertical Component Calibration  
Publication Title: Human-centric Computing and Information Sciences  
Posted Online Date: 15 March 2022  
Authors: Choi, C. H., Kim, J., Hyun, J., Kim, Y., & Moon, B.  
<https://doi.org/10.22967/HCIS.2022.12.011>
- 
- Article Title: Topic-Rank Recommendation Model Based on Microblog Topic Relevance & User Preference Analysis  
Publication Title: Human-centric Computing and Information Sciences  
Posted Online Date: 28 February 2022  
Authors: Bao, F., Xu, W., Feng, Y., & Xu, C. A.  
<https://doi.org/10.22967/HCIS.2022.12.010>
- 
- Article Title: Mosaic Stylization Using Andamento  
Publication Title: Human-centric Computing and Information Sciences  
Posted Online Date: 28 February 2022  
Authors: Kang, D., & Seo, S.  
<https://doi.org/10.22967/HCIS.2022.12.009>
- 
- Article Title: Scalable Lightweight Blockchain-Based Authentication Mechanism for Secure VoIP Communication  
Publication Title: Human-centric Computing and Information Sciences  
Posted Online Date: 28 February 2022  
Authors: El Azaoui, A., Choi, M. Y., Lee, C. H., & Park, J. H.  
<https://doi.org/10.22967/HCIS.2022.12.008>
- 
- Article Title: COMPASS: An Active RFID-Based Real-Time Indoor Positioning System  
Publication Title: Human-centric Computing and Information Sciences  
Posted Online Date: 15 February 2022  
Authors: Hsu, Y. F., Cheng, C. S., & Chu, W. C.  
<https://doi.org/10.22967/HCIS.2022.12.007>
- 
- Article Title: Enhancement of Speech Encryption/Decryption Process Using RSA Algorithm Variants  
Publication Title: Human-centric Computing and Information Sciences  
Posted Online Date: 15 February 2022  
Authors: Abouelkheir, E., & El-Sherbiny, S.  
<https://doi.org/10.22967/HCIS.2022.12.006>
- 
- Article Title: Simulation Studies of Elastic Optical Networks Nodes with Multicast Connections  
Publication Title: Human-centric Computing and Information Sciences  
Posted Online Date: 30 January 2022  
Authors: Sobieraj, M., Zwierzykowski, P., & Leitgeb, E.  
<https://doi.org/10.22967/HCIS.2022.12.005>
- 
- Article Title: End-to-End Data Authentication Deep Learning Model for Securing IoT Configurations  
Publication Title: Human-centric Computing and Information Sciences  
Posted Online Date: 30 January 2022  
Authors: Hammad, M., Iliyasu, A. M., Elgendy, I. A., & Abd El-Latif, A. A.  
<https://doi.org/10.22967/HCIS.2022.12.004>
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- Article Title: Soft Core Firmware-Based Board Management Module for High Performance Blockchain/Fintech Servers  
Publication Title: Human-centric Computing and Information Sciences  
Posted Online Date: 30 January 2022  
Authors: Shin, S., Eom, S., & Choi, M.  
<https://doi.org/10.22967/HCIS.2022.12.003>

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- Article Title: Prioritized Environment Configuration for Drone Control with Deep Reinforcement Learning  
Publication Title: Human-centric Computing and Information Sciences  
Posted Online Date: 15 January 2022  
Authors: Jang, S., & Choi, C.  
<https://doi.org/10.22967/HCIS.2022.12.002>

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- Article Title: Vision-based Skeleton Motion Phase to Evaluate Working Behavior: Case Study of Ladder Climbing Safety  
Publication Title: Human-centric Computing and Information Sciences  
Posted Online Date: 15 January 2022  
Authors: Chen, Z., Wu, L., He, H., Jiao, Z., & Wu, L.  
<https://doi.org/10.22967/HCIS.2022.12.001>

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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=

All manuscript submissions must be made in electronic format, e.g., PDF format (preferred) or MS Word. Manuscripts should follow the formatting of the sample manuscript and reference.

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-The End-

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