A medium to disseminate novel experimental and theoretical research results in the field of biomedicine, biology, clinical, rehabilitation engineering, medical image processing, bio-computing, D2H2, and other health related areas.

Call for Papers

SPECIAL ISSUE ON

Ubiquitous Computing for Deep Intelligent Health Perception

CALL FOR PAPER:

Human physiological data analysis has become an important research topic in the field of ubiquitous computing. The physiological data of wearable medical equipment monitoring is an important part of telemedicine. It is the database of big data medical treatment and intelligent diagnosis research. However, wearable data shows the characteristics of multi-model, heterogeneous, large-scale, complex, continuous, and expanding and space-time, and it is difficult to directly analyze and use these data to perceive human health. With the continuous expansion of ubiquitous sensors, deep learning, signal processing and internet of things, we believe that we need a new deep intelligent health perception method, especially for multi-model data analysis, wearable data fusion, and disease diagnosis and so on. Combined deep learning with ubiquitous computing for this topic needs to be studied in depth.

Therefore, this special issue aims to find some novel models, methods, technologies and solutions for intelligent health perception that can solve theoretical and practical problems. The list of possible topics includes, but not limited to:

✓ Ubiquitous Computing for Health
✓ Intelligent Health Perception
✓ Deep learning for Human Health Perception
✓ Machine Learning Algorithms with Applications
✓ Big data for Ubiquitous Computing
Ubiquitous Computing for intelligent diagnosis research
Ubiquitous Computing for wearable medical equipment monitoring
Internet of Things for data sciences
Ubiquitous Computing for multimodal health data analysis
Ubiquitous Computing for Medical image processing
Ubiquitous Computing for biomedical engineering
Ubiquitous Computing for Biosignal Processing
Algorithms for Health data processing

Schedule:
Submission deadline, October 2020
Notification of the first-round review, January 2021
Revised submission due, April 2021
Final notice of acceptance/reject, July 2021

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Xiaoqing Gu received her Ph.D. from Jiangnan University in 2017. She is currently an associate professor in the School of Information Science and Engineering, Changzhou University, Changzhou, China. She has published about 20 papers in international/national journals including IEEE Transactions on Fuzzy Systems, IEEE Transactions on Systems, Man, and Cybernetics: Systems, IEEE Transactions on Industrial Informatics, Knowledge-Based Systems. Her current research interests include pattern recognition and machine learning.

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