

Shuihua Wang
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IoT and Big Data Technologies for Health Care

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Second EAI International Conference, IoTCare 2021
Virtual Event, October 18–19, 2021
Proceedings, Part II

Part 2



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Virtual Event, October 18–19, 2021
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Preface

We are delighted to introduce the proceedings of the second edition of the European Alliance for Innovation (EAI) International Conference on IoT and Big Data Technologies for HealthCare (IoTCare 2021). This conference brought together researchers, developers, and practitioners around the world who are leveraging and developing technology for Internet of Things (IoT) and big data applications in healthcare. The theme of IoTCare 2021 was the convergence of IoT and big data technologies for e-health, e-care, lifestyle, aging populations, smart personal living applications, etc.

The technical program of IoTCare 2021 consisted of 80 full papers in the oral presentation sessions at the main conference track on integrating healthcare with IoT. Aside from the high-quality technical paper presentations, the technical program also featured two keynote speeches and two technical workshops. The two keynote speeches were given by Manu Malek from Stevens Institute of Technology, USA, and Ivan Tyukin, Turing Artificial Intelligence Fellow, from the University of Leicester, UK. The two workshops organized were AI-based Internet of Medical Things (IoMT) and Information Fusion for the Devices of Internet of Things (InfusIoT). IoMT aimed to address the combination of IoT and AI to enable more personalized, preventative, and collaborative forms of IoT care. InfusIoT aimed to address the issue of information fusion for IoT devices to maintain high accuracy, adaptiveness, robustness, timeliness, reliability, and intelligence.

Coordination with the steering chairs, Imrich Chlamtac and Liangxiu Han was essential for the success of the conference. We sincerely appreciate their constant support and guidance. It was also a great pleasure to work with such an excellent organizing committee team for their hard work in organizing and supporting the conference. In particular, we are grateful to the Technical Program Committee, who have completed the peer-review process for the technical papers and helped to put together a high-quality technical program. We are also grateful to Conference Manager Natasha Onofrei for her support and all the authors who submitted their papers to the IoTCare 2021 conference and workshops.

We strongly believe that the IoTCare conference provides a good forum for all researchers, developers, and practitioners to discuss all science and technology aspects that are relevant to IoT in healthcare. We also expect that the future IoTCare conferences will be as successful and stimulating as this year's, as indicated by the contributions presented in this volume.

November 2021

Shuihua Wang
Yu-Dong Zhang

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Contents – Part II

Integrating Healthcare with IoT

Data Transmission Reliability Detection of Hybrid Information System Based on Smart Contract	3
<i>Huan-yu Wang and Xiao-gang Ma</i>	
Research on Network Security Authentication Method Based on Data Mining Technology	19
<i>Xiao-gang Ma and Huan-yu Wang</i>	
High Reliability Design of Student Status Information Acquisition System in Ideological and Political Classroom Under Multi-target Tracking	30
<i>Gui-xiu Xie and Tao Lei</i>	
Weak Vibration Signal Extraction Method of Mechatronics Equipment Based on Stochastic Resonance	46
<i>Dong-bao Ma, Xue-mei Li, Ming-fei Qu, and Xiao-zheng Wan</i>	
Fast Integration System of English Online Learning Resources Based on Multi Sensor Network	58
<i>Hai-yun Han and Bing-bing Han</i>	
Quality Evaluation of Human Resource Management Information System Based on Intelligent Optimization Algorithm	71
<i>Bo Sun and Hao-nan Chu</i>	
Human Resource Social Insurance Data Dynamic Update System Based on Wireless Communication	88
<i>Hao-nan Chu and Bo Sun</i>	
Design of Wireless Audio Real Time Transmission Model Based on Body Area Network Technology	103
<i>Qing-li Niu and Hong Xu</i>	
Time-Frequency Analysis of Vibration Signal Distribution of Rotating Machinery Based on Machine Learning and EMD Decomposition	115
<i>Xiao-zheng Wan, Song Zhang, Ji-ming Zhang, Hui Chai, and Huan-yu Zhao</i>	

Synchronous Monitoring Method of Multi-manipulator Trajectory Signals Based on Machine Learning	129
<i>Xiao-zheng Wan, Song Zhang, Ji-ming Zhang, Hui Chai, and Huan-yu Zhao</i>	
Big Data Stepwise Regression Correction Method for Forearm Wrong Posture in Track and Field	140
<i>Yong-ming Chen and Cai-xu Xu</i>	
Intelligent Sharing Technology of Mobile Medical Dynamic Data Based on Internet of Things	153
<i>Hai-bo Zhang, Xiu-juan Duan, and Jian-mei Sun</i>	
Multi Channel Data Encryption Transmission Algorithm of Medical Internet of Things Based on Improved MQTT Protocol	171
<i>Hai-bo Zhang, Xiu-juan Duan, and Jian-mei Sun</i>	
Design of Innovation and Entrepreneurship Effect Evaluation System for College Students Based on MOA Model	183
<i>Dan Zhao and Huan-wei Liang</i>	
Design of Human Resource Distance Education System Based on Internet of Things Technology	199
<i>Huan-wei Liang and Dan Zhao</i>	
Intelligent Encrypted Storage Method for Medical Health Database Based on Internet of Things	216
<i>Qing-bang Zeng and Wen-da Xie</i>	
Design of Single Camera 3D Laser Scanning System Based on Artificial Intelligence	233
<i>Wen-da Xie and Qing-bang Zeng</i>	
Design of Enterprise Intelligent Decision Support System Based on Data Mining	249
<i>Qiu-ying Lv and Yang Su</i>	
Recommendation Method of Nursing Teaching Resources in Geriatric Internal Medicine Based on Internet of Things Technology	268
<i>Hua Fan</i>	
Recognition of Human Abnormal Behavior in Static Image of Intelligent Monitoring System Based on Neural Network Algorithm	280
<i>Hai-jing Zhou</i>	

Fall Behavior Recognition Algorithm in Video Surveillance Based on Feature and Deep Learning	298
<i>Hai-jing Zhou</i>	
Pneumonia Detection Algorithm Based on Improved YOLOv3	313
<i>Hailong Liu, Jinrong Cui, and Chaoda Peng</i>	
Breast Ultrasound Images Clustering Analysis Using Deep Clustering Method	321
<i>Cheng Huang and Jinrong Cui</i>	
Information Fusion for the Devices of Internet of Things	
Comparing Methods of Imputation for Time Series Missing Values	333
<i>Renkang Geng, Mingran Li, Mingxu Sun, and Yujie Wang</i>	
Clustering-XGB Based Dynamic Time Series Prediction	341
<i>Haoxuan Sun, Kun Zhang, Tingting Wang, Wanfeng Ma, and Qinjun Zhao</i>	
Time Series Data Imputation Using Expectation-Maximization with Principal Component Analysis	352
<i>Renkang Geng, Jing Cao, Qinjun Zhao, and Yujie Wang</i>	
Time Series Prediction with Preprocessing and Clustering	358
<i>Haoxuan Sun, Shuai Lin, Lin Han, Jidong Feng, and Mingxu Sun</i>	
Using an Ensembled Boosted Model for IoT Time Series Regression	368
<i>Shuai Lin, Kun Zhang, Renkang Geng, and Liyao Ma</i>	
Dynamic Time Warping Based Clustering for Time Series Analysis	376
<i>Kun Zhang, Shuai Lin, Haoxuan Sun, Liyao Ma, and Junpeng Xu</i>	
Voltage Estimation of PH Meter Calibrator Using Integration of Kalman/FIR and R-T-S Smoothing Method	386
<i>Wanjie Ren, Xia Li, Guoxing Hu, Rui Tuo, and Chen Cai</i>	
Human Tracking Using Distributed Dual-EKF Filter	394
<i>Jing Cao, Jidong Feng, Wanjie Ren, Wanfeng Ma, Mingran Li, and Yuan Xu</i>	
Evaluation and Analysis of Basic-Level Aircraft Maintenance and Support Capabilities	402
<i>Yanli Gao, Shaokang Ji, Jianling Qu, and Mingran Li</i>	

Robust Unscented Kalman Filter for Target Tracking Based on Mahalanobis Distance	419
<i>Bingbing Gao, Wenmin Li, Longqiang Ni, and Wei Wang</i>	
Analysis of Chaotic Behavior in Single Mode NH₃ Molecular Laser	433
<i>Hongyan Zang, Shourong Zhang, and Tengfei Lei</i>	
Collaborative Path Optimization Method for Flood Control Material Storage	440
<i>Zhihao Li, Xinyao Wang, Shuhui Bi, and Qinjun Zhao</i>	
Detection of Rail Bottom Damage Defects Based on Recurrent Neural Network	451
<i>Fengguang Zhou, Qinjun Zhao, Yuan Xu, Qinhua Xu, and Tao Shen</i>	
Short Term Load Forecasting Method Based on Full Convolution Deep Learning	461
<i>Hai-hong Bian, Xing-jian Shi, Qian Wang, and Li-kuan Gong</i>	
AI-Based Internet of Medical Things	
Covid-19 Detection by Wavelet Entropy and Cat Swarm Optimization	479
<i>Wei Wang</i>	
A Short Survey on Deep Learning Models for Covid-19 Detection Based on Chest CT and X-ray Images	488
<i>Wei Wang</i>	
IoT and AI Technology Used for COVID-19 Pandemic Control	497
<i>Shu-Wen Chen and Xiao-Wei Gu</i>	
Review of Covid-19 Diagnosis Techniques Combined with Machine Learning and AI Analysis	508
<i>Xiao-Wei Gu, Shu-Wen Chen, Xuan Tong, Hui-Shen Yan, Lu Chen, and Si-Ye Wu</i>	
Author Index	523