SPECIAL ISSUE
Applications and Techniques in Cyber Intelligence

GUEST EDITORS

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The 2018 International Conference on Applications and Techniques in Cyber Intelligence focuses on all aspects on applications and intelligence in smart city management and service. The purpose of ATCI 2018 is to provide a forum for presentation and discussion of innovative ideas, cutting edge research results, and novel techniques, methods and applications on all aspects of technology and intelligence in smart city management and service. All papers are extended with about 40% new content. All papers are reviewed by experts from both academia and industry, the highest quality manuscripts were accepted for this special issue. Totally, 10 papers are accepted. This special issue will be published by *Computer Systems Science & Engineering* as special issues.

Zhang addresses a number of mathematical issues related to multiprocessor global EDF platforms (An Upper Bound of Task Loads in a Deadline-d All Busy Period for Multiprocessor Global EDF Real-Time Systems).

The importance of the APCS is verified by Zhu and Yang through the analysis of the signal flow chart of the ACLS (Intelligent Power Compensation System based on adaptive sliding mode control using soft computing and automation).

Xu et al. proposes ideas and plans for building a digital sharing platform to fulfil this aim using computer technology, information processing, online dissemination, multimedia display and other technologies to build an international digital platform for the sharing of Dongba manuscripts. (Construction of an International Digital Sharing Platform of Dongba Manuscripts and Dongba Hieroglyphs).

In order to meet the needs of high-altitude glass curtain wall cleaning, a multi-suction sliding cleaning robot was designed. The sliding robot sucker, cleaning system, obstacle avoidance and rotation ability, walking circuit and mobile working principle of the cleaning robot were designed by Deng et al. (Mechanism design and mechanical analysis of multi-suction sliding cleaning robot used in glass curtain wall).

Nie et al. analyzes the mechanism of college students' entrepreneurial process through dynamic learning theory, establishes the model of college students' entrepreneurial subject, studies the different learning styles of college students, and discusses the influence of environmental dynamics on college students' chance recognition (Modeling and Simulation of Entrepreneur Individual Based on Dynamic and Complex System Computing).

Zhuang et al. improves the dynamic Feder model based on the characteristics of knowledge production and separates the direct effect and spillover effect of R&D in order to determine the relationship between spillover effect of R&D and economic growth, and accurately measure it by examining Chinese provincial panel data from 2008-2016

(Optimization of the Dynamic Measure in Spillover Effect Based on Knowledge Graph).

Dong et al. Ordering Method and Empirical Study on Multiple Factor Sensitivity of Group Social Attitudes Based on Entropy Theory (Ordering Method and Empirical Study on Multiple Factor Sensitivity of Group Social Attitudes Based on Entropy Theory).

Zhang introduces the design and implementation of a personalized product recommendation model based on user interest (Personalized Product Recommendation Model Based on User Interest).

Qi and Deng discuss the relationship between R&D investment and corporate financial performance, and further studies the effect of environmental regulations on this relationship through these technologies (R&D investment enhance the financial performance of company driven by big data computing and analysis).

Zhang et al. study how to segment cloud resources using hybrid pricing schemes in order to obtain the maximum revenue by means of optimal pricing schemes in what is a largely monopolized cloud market (Resource Management in Cloud Computing with Optimal Pricing Policies).

Acknowledgments