

Editorial

With this issue we bring the last part of the fifteenth volume of the Journal of Digital Information Management.

In the first paper on **“Multicast Optimization and Node Fast Location Search Method for Wireless Sensor Networks Based on Ant Colony Algorithm”** the authors *Ruiying Wang, Guoping He, Xiaoming Wu, Fuqiang Wang* and *Yifan Hu* studied the multicast routing algorithm which is based on Quality of Service (QoS), and introduce the search strategy which is based on the shortest path of pheromone in the process of ant colony feeding. The simulation results have shown that the ant colony algorithm has a better effect on solving the multicast protocol of WSN, and the algorithm can realize the fast positioning and query of wireless sensor network routing nodes.

Hua Pan, Zhongxiang Huang and *Zengzhen He* in the next paper on **“Research on Flexible Customization of Business Function for Intelligent Traffic Cloud Platform”** proposed the flexible customized solutions of Intelligent Traffic Cloud Platform based on the business function framework of the existing Intelligent Traffic Cloud Platform. The authors have created an Intelligent Traffic Cloud Platform to verify the feasibility and effectiveness of the proposed scheme.

In the third paper on **“The Design Research of Intelligent Suitcase”**, the author *Yongchuan Li* for designing the traditional suitcase, in an intelligent way proposed the innovation of core functional units of smart suitcase. The design of smart products under the era of internet of things is important as the author writes.

In the next paper on **“A Fast Algorithm for Plagiarism Detection in Large-scale Data”**, the author Kensuke Baba proposed a fast plagiarism detection algorithm in large-scale data. To detect the string matching the author has proposed algorithms. The experimental results in the words of the authors shown that the algorithm based on the approximated similarity can reduce the processing time of the straightforward algorithm based on the exact similarity to less than one-third in exchange for a slight decrease of the accuracy.

Farida Achemoukh and *Rachid Ahmed-Ouamer* in their paper on **“Using Temporal Bayesian Networks to Model user Profile Evolution”** presented a personalized information retrieval approach for building and updating the user profile, based on Temporal Bayesian network. The experiments using the TREC-1 ad hoc and TREC 2011 session achieved significant improvements over a personalized search approach.

Web is composed of different languages. Hence the identification of a language of the web page is primarily important and the text language identification system is proposed by *Maimaitiyiming Hasimu and Wushour Silamu* in their paper on **“Three-stage Short Text Language Identification Algorithm”**. Using a three-stage short text language identification Algorithm the authors detected the language script. The time, the size of the feature and accuracy are the outcome during the experimentation process.

We will come up with more new research in the forthcoming volume.

Editors