## **Contents**

## **Networks and Graphs Processing**

Towards Graph Summary and Aggregation: A Survey	3
TRS: A New Structure for Shortest Path Query	13
Parallel Simrank Computing on Large Scale Dataset on Mapreduce Lina Li, Cuiping Li, and Hong Chen	27
OIPBP: On-Demand Interdomain Path Building Protocol	41
Social Web	
An Automatic Spell Checker Framework for Malay Language Blogs Surayaini Binti Basri, Rayner Alfred, Chin Kim On, and Mohd Norhisham Razali	55
Finding and Extracting Academic Information from Conference Web Pages	65
TagRank: A New Tag Recommendation Algorithm and Recommender Enhancement with Data Fusion Techniques	80
Social Information Diffusion	
Multi-Influences Co-existence Based Independent Cascade Model and Conflict Resolution Strategy in Social Networks	95
Herd Behavior Analysis Based on Evolutionary Game Theory in the Decision-Making of Innovation Adoption	106



## X Contents

Applying Data Mining to the Customer Relationship Management in Retail Trade	116
Yao Han, Feng-zhao Yang, and Gang Wu	
Informatization in Grain Circulation of China: A Survey  Baifei Tang	125
Social Image Retrieval and Visualization	
Effective Location-Based Image Retrieval Based on Geo-Tags and Visual Features.	133
Yi Zhuang, Guochang Jiang, Jue Ding, Nan Jiang, and Gankun Zhu	
HTML5 Based 3D Visualization of High Density LiDAR Data and Color Information for Agriculture Applications	143
Large-Screen Intelligent Display Platform for Run-Time	
Data Visualization	152
A Pork Traceability Framework Based on Internet of Things  Baocai Xu, Jingjun Li, and Yun Wang	159
Author Index	167