

## Contents

Editorial	i
-----------	---

## Research

A Clustering Based Forecast Engine for Retail Sales- Vijayalakshmi Murlidhar, Bernard Menezes, Mihir Sathe, Goutam Murlidhar	219
---	-----

A Novel RDB-SW Approach for Commodities Price Dynamic Trend Analysis Based on Web Mining- Quanyin Zhu, Pei Zhou, Suqun Cao, Yunyang Yan, Jin Ding	230
--	-----

Modeling Push-based Live P2P Streaming by Stochastic Activity Networks- Peiqing Zhang, Bjarne E. Helvik	236
--	-----

Webbing Semantified Scholarly Communication Datasets for Improved Resource Discovery- Atif Latif, Klaus Tochtermann	245
--	-----

Developing and Deploying Cloud Services Based on Abstraction Approach- Binh Minh Nguyen, Viet Tran, Ladislav Hluchy	254
--	-----

True: A Trust Evaluation Service for Mobile Ad Hoc Networks Resistant to Malicious Attacks- Eduardo da Silva, Mehran Misaghi, Luiz Carlos P. Albini	262
--	-----

<b>Book Review</b>	272
--------------------	-----

<b>Conference Notification</b>	273
--------------------------------	-----

- The Second International Conference on Innovative Computing Technology (INTECH 2012)
- The First International Conference on Future Generation Communication Technologies (FGCT 2012)

## Editorial

The scope and boundary of data mining has been expanding rapidly to include a variety of newer applications. One such potential is the development of engines on specialized themes and platforms. The authors Vijayalakshmi Murlidhar, Bernard Menezes, Mihir Sathe and Goutam Murlidhar in their paper on, **“A Clustering Based Forecast Engine for Retail Sales”** have developed a inexpensive and automated forecasting engine that guarantees a desired forecasting accuracy. The technique they have developed helps identify similar sales series and further aid to coin the best combination of methods learnt for one series to forecast for the entire set of similar series.

In a similar paper on **“A Novel RDB-SW Approach for Commodities Price Dynamic Trend Analysis Based on Web Mining”**, the authors Quanyin Zhu, Pei Zhou, Suqun Cao, Yunyang Yan and Jin Ding have introduced repair data mining algorithm based on dichotomy backfilling. Their experiment results proved that their proposed approach is meaningful and useful to analyze and to research the price market on imperfect data by Web extracting.

Peiqing Zhang and Bjarne E. Helvik in their paper on **“Modeling Push-based Live P2P Streaming by Stochastic Activity Networks”** have introduced P2P streaming stochastic activity networks (SANs) to model and analyze push based live P2P streaming systems and they came up with interesting results at the end.

Atif Latif and Klaus Tochtermann have proposed a semantic rich Linked Data online in their paper on **“Webbing Semantified Scholarly Communication Datasets for Improved Resource Discovery”**. Their datasets with experimentation have given a concept application for automatic generation of an organized profile for post interlinked data presentation.

In the last couple of years, Cloud computing has been emerged as a platform to address many challenging issues. In the paper on **“Developing and Deploying Cloud Services Based on Abstraction Approach”** Binh Minh Nguyen, Viet Tran and Ladislav Hluchy have proposed a novel high-level abstraction layers for cloud computing. They believe that this approach will solve the interoperability issue and improve the flexibility of cloud computing.

In the last paper on **“True: A Trust Evaluation Service for Mobile Ad Hoc Networks Resistant to Malicious Attacks”** the authors Eduardo da Silva, Mehran Misaghi and Luiz Carlos P. Albini have presented ‘TRUE’, a distributed trust evaluation service for MANETs which creates a self-organized context-based trust network. Their simulation results have confirmed that the TRUE is very efficient on gathering evidences to build the trust networks, maintaining a small communication and memory overhead.

The six papers published in this issue represent some of the core research performed in computer and information sciences research.

## Editors