

## Editorial

We bring the fifth issue of this volume with the below described research.

Changes in the both XML data and schemas are inevitable in XML repository. In the paper on “**A Systematic Approach for Changing XML Namespaces in XML Schemas and Managing their Effects on Associated XML Documents under Schema Versioning**” the authors *Zouhaier Brahmia, Fabio Grandi and Rafik Bouaziz* have studied how XML namespace evolution is handled in an XML environment that supports both schema and document versioning. The main feature is that it allowed the changes specification on XML namespaces defined in XML Schemas, and propagating their effects to underlying XML documents, while maintaining all XML schema and XML instance version.

Chen in the next paper on “**Exploring Government Uses of Social Media through Twitter Sentiment Analysis**” have subjected three sentiment analysis techniques, viz., a lexicon-based approach, a machine learning-based approach, and a hybrid approach. This study helped to understand how sentiment analysis techniques can perform similarly, or differently, in the given context of government uses of social media.

*DAI Lei, JIANG Dai-Hong, DING Bin and James Hahn* evaluated the Criminisi algorithm for digital image inpainting and proposes four improvements in their paper on “**Improved Digital Image Restoration Algorithm Based on Criminisi**”. The authors claimed that the experimental results satisfactory inpainting results and improves repair efficiency.

In the next paper on “**Model of e-commerce cloud warehouse grading based on mass simulation data**” the authors *WANG Fan, WANG Yan-Li, LIU Zhi-Jie, CUI Xiao and ZHANG Peng* for the convenience of quantitative grading management of branch warehouses cloud warehouse grading based on mass simulation data analysis was proposed. In the authors’ statement this research proved the feasibility of obtaining the quantitative standards for e-commerce cloud warehouse grading based on mass simulation experimental data.

In the next paper on “**Development of the Method for integration of Mobile Applications and Corporate Information Systems**” the authors *Pavel Sergeevich Ptitsyn, Dmitry Vladimirovich Radko and Alexey Vasilevich Skrypnikov* have proposed solutions for integration using visual programming approach, which provides a unified model for design, development, and deployment of mobile applications for different mobile platforms.

In the last paper on “**A New Method of Simulating Swarms and Herds Using PSO and Other Additions: A Social Behavior Approach**” the authors *Ammar Alnahhas, Aghyad Al-Kabbani, Eyad Alshami and Ahmad Alkhous* proposed a new model for particle swarm optimization algorithm.

The published research mark technical elegance and methodological improvements than the early research.

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