

Editorial

We present the third issue of the *Journal of Digital Information Management* with the below listed research.

In the opening paper on “**Effective Evaluation of XML Queries in a Visual Environment**” the authors *Weimin He, Teng Lv* and *Ping Yan* have presented a framework to effectively evaluate XML queries in a visual environment. The system they have developed is named as VXPath, which is a visual XPath query evaluator that allows the user to evaluate various XPath queries by clicking the nodes in an expanding tree instead of typing the whole XPath queries manually. The authors claimed that the system can handle large XML documents up to gigabytes.

In the next paper on “**Temporal Trends Analysis for Dengue Outbreak and Network Threats Severity Prediction Accuracy Improvement**”, the authors *Nurfadhlina Mohd Sharef, Nor Azura Husin, Khairul Azhar Kasmiran* and *Mohd Izuan Ninggal* proposed a new temporal trends analysis approach that uses temporal relation mining in forecasting dengue outbreak and cyber intrusion. The proposed approach has better prediction as compared to the baseline system.

In the next paper on “**Computer and Network Security: Ontological and Multi-agent System for Intrusion Detection**”, the authors *Samir Bourekkache, Okba Kazar, Ahmed Aloui* have developed an intrusion detection system using multi agent system, ontological techniques (IDSMAO) and misuse method. The use of IDSMAOnto allowed the users to understand the weaknesses in the network and take corrective action to prevent future attacks.

In the last paper on “**Ontological Approach Based on Multi-Agent System for Indexing and Filtering Arabic Documents**” the authors *Samia Zouaoui*, and *Khaled Rezeg* studied the effect of patterns in solving the problem of the semantic indexing system (SIS). During the evaluation the authors found that their approach achieved much better results than the other. We will come up with more research in the next issue.

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