



## Editorial Note

It is a pleasure to introduce the second issue of Journal of Computing and Security (JCS). The journal is now ranked as ‘Scientific Research’ (Elmie Pajoheshi), the highest journal rating in Iran’s Ministry of Science Research and Technology ranking system. Moreover, the journal has become listed and indexed by the Islamic World Science Center (ISC) indexing service since the publication of the first issue.

I sincerely am grateful of our contributors for their reverent articles, the reviewers for their priceless efforts to evaluate many articles received, editorial board members and journal staffs who made the publication of the latest issue possible.

On this issue, I present six novel articles. The first one deals with new software ranking scheme, and the second one is on tourists’ behavioral intention evaluation. The next three articles are on the artificial intelligence category, in which one is on a new hybrid approach for modeling classification systems, another one deals with ambiguity of language in machine translation, and the other one introduces a new class of association rules. The last article in this issue deals with interval linear programming, facilitating the transformation of such programming into a traditional one.

The first article is contributed by S. Tahmasebipour and S. M. Babamir. The authors proposed a new ranking scheme for software architectural styles based on software quality attributes including security and performance. Through their scheme, the best architectural style maybe obtained for every individual quality attribute or their combinations, the authors maintain.

The article on evaluating behavioral intentions of tourists in e-Tourism is presented by Parsaei, et. al. This study intends to develop a model based on Decomposed Theory of Planned Behavior (DTPB) that considers influential factors to predict and evaluate intention of tourists and travelers while using e-tourism services and websites focusing on Iranian customers. Implications of this work are for Iranian tourism companies and also to develop the CRM methods in e-tourism websites, according to the authors.

Next, a new hybrid approach for modeling a classification system presented by F. Farahbod and M. Eftekhar; achieved by the combination of the manifold data mapping, an evolutionary rule weighting, and a heuristic fuzzy rule construction. Although this new representation does not secure the interpretability of obtained fuzzy models, the main intention of their work is to improve the classification accuracy significantly, they clarify.

A. H. Rasekh et. al. are in charge of the forth article on machine translation’s most problematic issue: ambiguity of language. They proposed a word sense disambiguation based on lexical and semantic features using Naive Bayes classifier.

Then, R. Ramezani et. al. presented an article that introduces a new class of association rules called Multi-Relation Association Rules or MRAR; which in contrast to primitive association rules (ARs), each rule item consists of one entity and several relations. The proposed algorithm is capable of mining multi-relation ARs, the authors assert.

Finally, M. Ghatees article deals with linear programming problem with interval numbers and coefficients to exhibit with uncertainty. He proposes a new concept called uncertainty traverse instead of extension principle in linear programming, helping the transformation of interval linear programming into a traditional problem. This approach may be generalized for fuzzy linear programming taking the fuzzy cuts into account, he exclaimed.

I look forward to share this second issue of the journal and to promote the potential of research connections that all of us at JCS eager to keep up with.



**Special Note for Authors:**

This journal publishes papers in all modern computing areas of studies, including, but not limited to, algorithms, artificial intelligence, modeling and simulation, networks, multimedia, data mining, data bases, e-Business, formal methods, distributed systems, pattern recognition and image and speech processing. JCS also covers all areas of information and computer security.

Please plan to submit your cutting edge research articles to JCS; and consequently ensure that your manuscripts reach the knowledgeable readership that they deserve. Note that this journal does not charge author fee at this time. To submit your paper, please upload your article at the journal's website at: <http://www.jcomsec.org>.

Best wishes and thank you in advance for your contributions!

Ahmad Reza Naghsh-Nilchi, PhD  
Editor-in-Chief  
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