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Book of Abstracts



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CSCI 2017 BOOK of ABSTRACTS

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novices tend to become immersed only in Web exploration and neglect the groping. Thus, this research was aimed at developing support system for facilitating exploratory experience in Web exploration of novices.

Spam Message Filtering by Using Sen2Vec and Feedforward Neural Network

*Hyun-Young Lee, Seung-Shik Kang
School of Software, Kookmin University, Seoul, Republic of Korea*

Abstract: Korean word structures or patterns in SMS spam messages for mobile phone users are becoming more intelligent and diverse. We propose an automatic spam filtering method of SMS messages by using a feedforward neural network by constructing a sentence vector from word embedding method. Evaluating the performance of the feedforward neural network, we compared the accuracy of spam message filtering with SVM, which is commonly used for filtering spam messages. About 100,000 SMS messages were used for training the model and 10,000 test data were used for evaluating the accuracy of spam message filtering.

Poster Papers: Symposiums on Education (CSCI-ISED) & Software Engineering (CSCI-ISSE)

Microdata for Semantic Annotations: Quantitative Analysis of the Deployment of Educational Properties

*Rosa Navarrete, Sergio Lujan-Mora
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Abstract: The use of semantic annotations on web content aims to provide information able to be interpreted by search engines and other applications. According to recent publications, Microdata is one of the formats to provide these embedded annotations that has reached a broad adoption in different fields. Concurrently, Schema.org has become the accepted standard for embedded markup and recently has adopted specific vocabulary to describe educational content belonging to the Learning Resource Metadata Initiative (LRMI) specification. In this work, we present a quantitative analysis of the deployment of Microdata with educational LRMI properties conducted on datasets of web pages extracted from large-scale web corpus, obtained from web crawling, of three consecutive years. The results show a low trend of adoption of this technology as well as issues related to the misuse of the vocabulary.

Support Methods for Sustainable Fostering of Learning Strategies Using the Experience Case Sheets in Research Activities

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Abstract: The importance of PBL (Problem Based Learning) has increased and there have been various projects on it. However, developmental learning by taking advantage of experience cases has not still been realized although it is particularly important. On the other hand, the suggestion and recall of the experience cases in abstract way such as "You/I should do it like that scene"