Abstract

E-commerce has become one of the most important aspects of today's buying and selling process. Due to the large number of transactions performed online, there arises a need for intelligent support tools to improve the efficiency in performing these transactions. According to the BBT business model, negotiation plays an important part in B2B e-commerce. Web services play a major role in performing the negotiations. Here a two phase system is proposed that helps in appropriate web service discovery and service analysis and finally provides the user with a set of workflows that are appropriate for the current user. A neural network based analyzer is used in the discovery phase, which helps in selecting the appropriate web service. Finally, the GA based analyzer is used for resolving the final k best workflows.

References

Neural Network and GA based Intelligent B2B Negotiation System

- Philippe Pasquier, Ramon Hollands, Iyad Rahwan, 2010, "An Empirical Study Of Interest-Based Negotiation", Proceeding of ninth international conference on electronic commerce; Published online Springer.
- Ms. Smita. Nirkhi, "Potential Use of Artificial Neural Network In Data Mining;&quot;, 978-1-4244-5586-7/10, 2010 IEEE.
- Zhijun Chen, "Research of Data Mining Based On Neural Network;&quot;, 978-1-4244-7161-4/10, 2010 IEEE.
- P. Faratin, C. Sierra, N. R. Jennings, 2002, "Using Similarity Criteria To Make
Issue Trade-Offs In Automated Negotiations”, Artificial Intelligence, 142 (2), 205–237.

**Index Terms**

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