

Accepted Manuscript

A formal approach for matching and ranking trustworthy context-dependent services

Afnan Bawazir, Wadee Alhalabi, Mubarak Mohamed, Akila Sarirete, Ammar Alsaig



PII: S1568-4946(18)30466-6
DOI: <https://doi.org/10.1016/j.asoc.2018.07.062>
Reference: ASOC 5046

To appear in: *Applied Soft Computing Journal*

Received date : 12 February 2017
Revised date : 18 June 2018
Accepted date : 15 July 2018

Please cite this article as: A. Bawazir, et al., A formal approach for matching and ranking trustworthy context-dependent services, *Applied Soft Computing Journal* (2018), <https://doi.org/10.1016/j.asoc.2018.07.062>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Highlights

- In this paper, we study how to rank trustworthiness features based on user preferences from a new angle since trustworthiness features consider as a composite feature and combine trustworthiness and reputation to rank services.
- We provide formal specification for matching and ranking trustworthiness features using logic and set theory.
- We present our matching and ranking trustworthiness features approach and explain how to incorporate it with context and non-context features.
- We present the overall framework for matching and ranking trustworthy context-dependent services.
- We provide a case study on real world application to illustrate the success of the proposed framework.
- The proposed framework can be applied in any application domains.

Download English Version:

<https://daneshyari.com/en/article/10139472>

Download Persian Version:

<https://daneshyari.com/article/10139472>

[Daneshyari.com](https://daneshyari.com)