Electronic Transactions on Artificial Intelligence
Vol. 3 (1999), Section D: pp. *89-124*
http://www.ep.liu.se/ej/etai/1999/014/

Refereed Article

Richard McConachy and Ingrid Zukerman:

Dialogue Requirements for Argumentation Systems

Author's affiliation: Monash University, Clayton, Victoria 3800, AUSTRALIA

Abstract: *We consider the requirements of an ideal automated argumentation system and compare them with the capabilities of our argumentation system NAG. These capabilities are embodied in a set of exploratory operations, which enable a user to investigate the system's arguments. Our discussion is grounded with a description of NAG's architecture, its reasoning mechanism and its knowledge representation scheme. This scheme supports the consideration of domain and user modeling information as well as contextual information when reasoning about arguments. We also present the results of two preliminary evaluations of NAG's argumentation and interactive capabilities.*

Publication and review history

1. First version *published* by Linköping University Electronic Press on 30.12.1999 and permanently available at
   http://www.ep.liu.se/ea/cis/1999/029/
2. *Received* by the research area "Intelligent User Interfaces" of the Electronic Transactions on Artificial Intelligence, posted on its web site, and advertised in its Newsletter on 9.11.1999.
3. Publicly *discussed* in the ETAI area of Intelligent User Interfaces during February - May, 2000. The discussion protocol is available and will be retained in the Article Interaction Page at
   http://www.etaij.org/ra/iui/012/
4. First version *accepted* after due refereeing and according to scientific journal standards by the Electronic Transactions on Artificial Intelligence (ETAI) on 22.12.2000.
5. Revised version appears in Electronic Transactions on Artificial Intellligence, Volume 3 (1999), Issue 1, pages 89–124. The issue and the annual volume are made permanently available at
   http://www.ep.liu.se/ej/etai/1999/
6. Paper editions of the ETAI issue and the ETAI volume containing this artice *republished* by the Royal Swedish Academy of Sciences.

The review policy and the quality requirements for acceptance are documented at http://www.etaij.org/info/

Article maintenance

The Electronic Transactions on Artificial Intelligence maintains an Article Interaction Page for this article at
http://www.etaij.org/ra/iui/012/
Besides the publication and review history, it contains links for contacting the author(s), as well as to amendments and other related information for the article. It is intended to keep these links up-to-date in the future.

Copyright conditions