

CALL FOR PAPERS

Special Issue

of the

Journal of Universal Computer Science (J.UCS)

on

"Evolving Theories of Conceptual Modelling"

Editors:

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Following the ETheCoM 2009 workshop co-located with the 28th International Conference on Conceptual Modeling (ER 2009), we invite submissions to a special journal issue on theoretical foundations of conceptual modelling. The emphasis is on evolving theories that address mathematical and logical underpinnings of new developments in conceptual modelling, e.g. addressing service-oriented software systems, personalisation of Information Systems and services, network-centric and web-based applications, biomedical applications, games and entertainment, etc. We are interested in formal semantics, in particular with respect to constraints, and in the usage of such semantics for the reasoning and inferencing about model properties.

Typical topics of research papers can be (but are not limited to) the following:

- Theories of concepts
- Mathematical semantics of service-oriented systems
- Integrity constraints maintenance and dependency theory
- Theoretical foundations of personalisation of Information Systems and services
- Formal semantics of network-centric and web-based applications

- Formal methods for data and knowledge base design
- Reasoning about data and knowledge base dynamics
- Logical and mathematical models for novel application areas
- Adaptivity for personalised data and knowledge bases
- Formal information integration in data and knowledge bases
- Knowledge discovery in data and knowledge bases
- Formal linguistics for data and knowledge bases
- Formal ontologies for data and knowledge bases.

Submissions must be sent as email attachments to <kdschewe@acm.org> by 30th November 2009. All submissions will undergo the usual reviewing process for journal papers. We anticipate to notify authors by the end of February 2010, whether their submission is accepted with or without minor amendments, a major revision is requested, or the submission is rejected.

All articles must be in English, formatted in J.UCS style, and submitted as pdf-files. The total length should not exceed 25 pages. In case authors need more space, the editors of the special issue should be contacted in advance at <kdschewe@acm.org> or <Markus.Kirchberg@ieee.org>. The style guide for J.UCS papers can be found at http://www.jucs.org/ujs/jucs/info/submissions/style_guide.html (this includes downloadable LaTeX style files).