First Call for Papers

Relations and Kleene Algebra in Computer Science

Joint Ninth International Conference on Relational Methods in Computer Science and Fourth International Workshop on Applications of Kleene Algebra (RelMiCS/AKA 2006)

29 August – 2 September 2006, Manchester, UK

www.cs.man.ac.uk/relmics06/

General Chair:

Renate Schmidt, *Manchester, UK*
schmidt@cs.man.ac.uk

Programme Chair:

Georg Struth, *Sheffield, UK*
g.struth@dcs.shef.ac.uk

Local Organisation:

Renate Schmidt, *Manchester, UK*
schmidt@cs.man.ac.uk
Zhen Li, *Manchester, UK*
David Robinson, *Manchester, UK*
Iain Hart & ACSO, *Manchester, UK*

General Information: The RelMiCS Conference is the main forum for the relational calculus as a conceptual and methodological tool. The AKA Workshop is a forum on topics related to Kleene algebras. As in previous years, the two events are co-organised; they have a joint programme committee and joint proceedings. RelMiCS/AKA 2006 will be held from 29 August to 2 September 2006 in Manchester. Visit the conference website www.cs.man.ac.uk/relmics06/ for more information.

Topics: We invite submissions on the general topics of relations and Kleene algebra in computer science. Special focus will be on formal methods for software engineering, logics of programs and links with neighbouring disciplines. Particular topics of the conference cover, but are not limited to the theory of relation algebras, of Kleene algebras and of related formalisms such as process algebras, fixed point calculi, idempotent semirings, quantales, allegories, dynamic algebras, cylindric algebras; their applications in areas such as verification, analysis and development of programs and algorithms, algebraic approaches to logics of programs, modal and dynamic logics, interval and temporal logics, relational formal methods such as B or Z, tabular methods, algebraic semantics of programming languages, graph theory and combinatorial optimisation, games, automata and language theory, mechanised and automated reasoning, decision procedures, spatio-temporal reasoning, knowledge acquisition, preference and scaling methods, and information systems.

Important Dates: A paper title and a short abstract of about 100 words must be submitted before the paper. All submissions will be electronic.

Abstract Submission: 27 February 2006
Paper Submission: 6 March 2006
Author Notification: 2 May 2006
Camera-ready papers: 2 June 2006
RelMiCS/AKA 2006: 29 August – 2 September 2006

Submission Instructions: Submissions must be in English, in postscript or pdf format and provide sufficient information to judge their merits. They must be unpublished and not submitted for publication elsewhere. They may not exceed 15 pages in Springer LNCS style. Additional material may be provided by a clearly marked appendix or a reference to a manuscript on a website. This may be considered at the discretion of the PC. Deviation from these requirements may cause immediate rejection. One author of each accepted paper is expected to present the paper at the conference. Detailed instructions for electronic submission will appear on the conference web site in December/January.

Publication Details: The proceedings of the conference will most probably be published in the Springer LNCS series. The proceedings will be available at the conference.

Student Programme: A PhD training programme will be co-organised with the conference. Details will be published in a special call and on the conference website.