FIRST CALL FOR PAPERS (updated)

Journal of Applied Logic

Special Issue on
Empirically Successful Computerized Reasoning (ESCoR)

Deadline: 4 December 2006

http://www.cs.man.ac.uk/~schmidt/ESCoR

Guest editors:
Renate Schmidt
School of Computer Science
University of Manchester
Oxford Rd, Manchester M13 9PL
UK
Renate.Schmidt@manchester.ac.uk

Geoff Sutcliffe
Department of Computer Science
University of Miami
P.O. Box 248154, Coral Gables, FL 33124
USA
geoff@cs.miami.edu

Stephan Schulz
Institut für Informatik 4
TU München
Boltzmannstr. 3, 85748 Garching b. München
Germany
schulz@informatik.tu-muenchen.de

Important Dates: (updated)
December 4, 2006 Submission deadline
February 12, 2007 Acceptance notification
March 12, 2007 camera-ready papers due

Further information:
Please feel free to send any questions to
Renate.Schmidt@manchester.ac.uk.
Up-to-date information will be available from
the special issue website.

Useful websites
ESCoR Special issue:
http://www.cs.man.ac.uk/~schmidt/ESCoR/

Journal of Applied Logic:
http://www.elsevier.com/locate/jal/

ESCoR Workshop:
http://www.cs.miami.edu/~geoff/

Conferences/ESCoR/

ESCoR Workshop proceedings:
http://ceur-ws.org/Vol-192

Scope: The special issue is devoted to all aspects of the implementation
and deployment of working computerized reasoning systems.
Reasoning in all forms (automated, interactive, etc) and all logics
(classical, non-classical, all orders, etc) is of interest to the special
issue. We welcome contributions on the following topics:

Systems:

- Implementation techniques and comparisons
- Data structures and algorithms for the efficient representation
  of terms, formulae, search states, etc., e.g. new indexing tech-
  niques, efficient implementation of simplification orderings, etc.
- Higher level data structures and formats for the representation
  of proof tasks and derivations, proof and lemma storage, etc.
- Implemented and evaluated heuristics
- Implemented and evaluated user interfaces

Applications:

- Descriptions of computerized reasoning solutions in application
  domains
- Experiences with practical applications
- Encoding of domain problems into logic, and decoding of logic
  solutions into the domain
- Special reasoning techniques for applications
- User interfaces
- System integration

Papers on related subjects will also be considered.
Submissions should discuss aspects of “really working” systems and
applications, and should not focus on theoretical ideas that have not
yet been translated into working software.

The journal: The Journal of Applied Logic is an international jour-
nal published by Elsevier. The journal welcomes papers in the areas
of logic which can be applied in other disciplines as well as appli-
cation papers in those disciplines, the unifying theme being logics
arising from modelling the human agent.

Submissions: We expect full, high-quality papers of original, pre-
viously unpublished research, which are written in English, and are
not simultaneously submitted for publication elsewhere. Papers pre-
viously presented in conference proceedings of limited circulation may
be judged eligible for publication in revised form. Please add a com-
ment about such prior presentation in the abstract field at the time
the manuscript is submitted via the on-line submission system.
The normal reviewing process for journals will be used and papers
should conform to the usual high standard of international journals.
Submissions should be formatted according to JAL’s author guide-
lines, and preferably be written in LaTeX. To be considered, submis-
sions must be received no later than December 4, 2006.
Submission is via the EasyChair on-line submission system at
http://www.easychair.org/ESCoRJAL2007/.