



STeP -2004

Suomen Tekoälypäivät 20v.,
Finnish AI Conference; 20 year Anniversary

Tiedekeskus Heureka,
Vantaa

1-3. 9. 2004

CALL FOR PAPERS

Topics for General Paper Submission

Submissions are invited on substantial, original and previously unpublished research (basic or applied) in all fields of Artificial Intelligence, including, but not limited to:

Abduction	Diagnosis	Ontologies
AI Abduction and Creativity	Discourse Modelling	Perception
AI Architectures	Distributed AI	Philosophical Foundations
Art and Music	Game Playing	Planning
Automated Reasoning	Evolutionary Algorithms	Probabilistic Reasoning
Autonomous Agents	Geometric Reasoning	Qualitative Reasoning
Bayesian Learning	Inductive Logic	Real-Time Systems
Belief Revision	Programming	Reasoning about Actions and Change
Case-Based Reasoning	Information Extraction	Reasoning under Uncertainty
Causal Reasoning	Information Retrieval	Reinforcement Learning
Cognitive Modelling	Intelligent User Interfaces	Resource-Bounded Reasoning
Cognitive Robotics	Knowledge Acquisition	Reuse of Knowledge
Common-Sense Reasoning	Knowledge-Based Systems	Robotics
Computer-Aided Learning	Knowledge Representation	Satisfiability Testing
Conceptual Graphs	Logic Programming	Scheduling
Configuration	Machine Learning	Search
Constraint Programming	Machine Translation	Spatial Reasoning
Constraint Satisfaction	Meta-Heuristics for AI	Speech Processing
Data Mining and Knowledge Discovery	Model-Based Reasoning	Temporal Reasoning
Decision Theory	Multi-Agent Systems	Text Mining
Deduction	Natural Language Processing	Theorem Proving
Description Logics	Neural Networks	User Modelling Verification and Validation
Design	Nonmonotonic Reasoning	Vision

STeP 20 Year Anniversary Conference

The conference web pages will be opened at <http://www.stes.fi>

General Sessions - 1-3 September 2004

Papers on general AI topics are invited for the general sessions.

Cognition & Cybernetics Symposium - 1 September 2004

Papers on topics related to automation, cybernetics and cognition are invited for this session which is organized by Helsinki University of Technology.

Public Lecture: *Pentti O. Haikonen, Nokia Tutkimuskeskus, "Konetietoisuus"*

NOTE! Deadline for submissions extended until 30 June 2004

More information (CFP..) @ the Symposium home page:

<http://www.control.hut.fi/STeP2004/>

WebIntelligence Symposium - 2-3 September 2004

The themes of the Symposium includes all aspects of intelligent systems on the web. The languages of the symposium are Finnish and English.

Submissions are invited in all topics related to intelligent systems on the web, such as the Semantic Web, agent technologies, intelligent web services, web mining, concept-based search etc.

Public Lecture: *Eero Hyvönen, HY & HIIT: "Kulttuurisällöt semanttiseen webiin"*.

More information (CFP..) @ the Symposium home page:

http://www.cs.helsinki.fi/group/seco/conference/step2004/index_e.html

NOTE! Deadline for submissions extended until 30 June 2004

Submission Guidelines

Language of the publication is English. Along with the final papers, the authors are asked to submit the paper abstract in plain ASCII format to be included in the STeP 2004 web pages. The authors can also give a link to their personal home page to be added in the web version of the conference program.

The length of the papers should be between 5 to 12 pages including figures and tables.

The abstracts and final papers should be formatted along the the Lecture Notes in Computer Science (LNCS) format (select "Information for LNCS Authors"). The paper should be no longer than 15 pages. Detailed instructions can be found at <http://www.springer.de/comp/lncs/authors.html> .

General Sessions - 1-3 September 2004

The general papers (look at the general topics) are to be submitted electronically by e-mail to pekka.ala-siuru@vtt.fi either in PostScript or PDF format.

The special Symposium papers should be submitted according their respective CFPs..

Cognition & Cybernetics Symposium - 1. September 2004

Papers are submitted in PDF or PostScript form by email to: Heikki Hyötyniemi
heikki.hyotyniemi@hut.fi .

WebIntelligence Symposium - 2.-3. September 2004

Papers are submitted in PDF or PostScript form by email to Tomi Kauppinen
tomi.kauppinen@cs.helsinki.fi

The review process

All submissions will be subject to academic peer review by the STeP 2004 Programme Committee. Review criteria include originality of ideas, technical soundness, significance of results, and quality of presentation.

Deadlines

The deadline for all paper submissions is 30 June 2004.

More information about the deadlines for poster papers and the conference will be given later on the conference web page.

Preliminary Program Committee:

Pekka Ala-Siuru (VTT Electronics), co-chair, email: pekka.ala-siuru@vtt.fi

Eero Hyvönen (University of Helsinki), co-chair, email: eero.hyvonen@helsinki.fi

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Jukka Iivarinen (Helsinki University of Technology, representative of the Pattern
Recognition Society of Finland)

Mauri Kaipainen (Helsinki University of Art and Design)

Heimo Laamanen, (Sonera Ltd)

Juha Röning (University of Oulu)

Aki Vehtari (Helsinki University of Technology)

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Preliminary Organizing Committee:

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Mauri Kaipainen, UIAH
Lasse Lilja, Yomi
Tapani Raiko, HUT
Jukka Remes, OYS
Susanna Koskinen (secretary, Finnish AI Society)

Organizers:



Suomen Tekoälyseura ry (STeS)
Finnish Artificial Intelligence Society (FAIS)



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