



Call for Papers—AAAI-93

July 11 – 16, 1993, Washington DC

AAAI-93 is the eleventh national conference. The purpose of the conference is to promote research in artificial intelligence (AI) and scientific interchange among AI researchers and practitioners.

Papers may represent significant contributions to all aspects of AI:

- a) the principles underlying cognition, perception, and action in humans and machines;
- b) the design, application, and evaluation of AI algorithms and intelligent systems; and
- c) the analysis of tasks and domains in which intelligent systems perform.

In recognition of the wide range of methodologies and research activities legitimately associated with AI, we invite authors to submit papers describing both experimental and theoretical results from all stages of AI research. In particular, we encourage submission of papers that present promising research directions by describing innovative concepts, techniques, perspectives, or observations that are not yet supported by mature results. To be accepted, such submissions must include substantial analysis of the ideas, the technology needed to realize them, and their potential impact. In addition, because of the essential interdisciplinary nature of AI and the need to maintain effective communication across sub-specialties, we encourage authors to position and motivate their work in the larger context of the general AI community. While papers concerned with applications of AI are invited, those that describe working commercial systems should be submitted to the IAAI conference.

Requirements for Submission

Authors must submit six (6) complete printed copies of their papers to the AAAI office by January 13, 1993. Papers received after that date will be returned unopened. Notification of receipt will be mailed to the first author (or designated author) soon after receipt. All inquiries regarding lost papers must be made by January 27, 1993. Authors are also requested to send their paper's title page in an electronic mail message to abstract@aaai.org by January 13, 1993. Notification of acceptance or rejection of submitted papers will be mailed to the first author (or designated author) by March 3, 1993. Camera-ready copy of accepted papers will be due about one month later.

Paper Format for Review

All six (6) copies of a submitted paper must be clearly legible. Neither computer files nor fax submissions are acceptable. Submissions must be printed on 8 1/2" x 11" or A4 paper using 12 point type (10 characters per inch for typewriters). Each page must have a maximum of 38 lines and an average of 75 characters per line (corresponding to the LaTeX article-style, 12 point). Double-sided printing is strongly encouraged.

Length

The body of submitted papers must be at most 11 pages, including figures, tables, and diagrams, but excluding the title page and bibliography. Papers exceeding the specified length and formatting requirements are subject to rejection without review.

Title page

Each copy of the paper must have a title page (separate from the body of the paper) containing the title of the paper, the names and addresses of all authors, a short (less than 200 word) abstract, and a descriptive content area or areas. The title page sent via electronic mail to the AAAI office must be in plain ASCII text with each section of the title page preceded by the name of that section as follows:

title: <title>

author: <name of first author>

address: <address of first author>

author: <name of last author>

address: <address of last author>

abstract: <abstract>

content areas: <first area>, ..., <last area>

To facilitate the reviewing process, authors are requested to select appropriate content areas from the list below. Authors are invited to add additional content area descriptors to their title page as needed.

Artificial Life, Automated Reasoning, Behavior-Based Control, Belief Revision, Case-Based Reasoning, Cognitive Modeling, Common Sense Reasoning, Communication and Cooperation, Constraint-Based Reasoning, Computer-Aided Education, Connectionist Models, Corpus-Based Language Analysis, Deduction, Diagnosis, Discourse Analysis, Distributed Problem Solving, Expert Systems, Geometrical Reasoning, Information Extraction, Knowledge Acquisition, Knowledge Representation, Knowledge Sharing Technology, Large Scale Knowledge Engineering, Learning/Adaptation, Machine Learning, Machine Translation, Mathematical Foundations, Multi-Agent Planning, Natural Language Processing, Neural Networks, Nonmonotonic Reasoning, Perception, Planning, Probabilistic Reasoning, Qualitative Reasoning, Reasoning about Action, Reasoning about Physical Systems, Reactivity, Robot Navigation, Robotics, Rule-Based Reasoning, Scheduling, Search, Sensor Interpretation, Sensory Fusion/Fission, Simulation, Situated Cognition, Spatial Reasoning, Speech Recognition, System Architectures, Temporal Reasoning, Terminological Reasoning, Theorem Proving, Truth Maintenance, User Interfaces, Virtual Reality, Vision, 3-D Model Acquisition.

Submissions to Multiple Conferences

Papers that are being submitted to other conferences, whether verbatim or in essence, must state this fact on the title page. If a paper appears at another conference (with the exception of specialized workshops), it must be withdrawn from AAAI-93. Papers that violate these requirements are subject to rejection without review.

Review Criteria

Each paper will be carefully reviewed by experts specializing in the content areas on the paper's title page. Questions that will appear on the review form have been reproduced below. Authors are advised to bear these questions in mind while writing their papers:

Significance

How important is the work reported? Does it attack an important/difficult problem or a peripheral/simple one? Does the approach offered advance the state of the art?

Originality

Has this or similar work been previously reported? Are the problems and approaches completely new? Is this a novel combination of familiar techniques? Does the paper point out differences from related research? Is it re-inventing the wheel using new terminology?

Quality

Is the paper technically sound? Does it carefully evaluate the strengths and limitations of its contribution? How are its claims backed up?

Clarity

Is the paper clearly written? Does it motivate the research? Does it describe the inputs, outputs and basic algorithms employed? Does the paper describe previous work? Are the results described and evaluated? Is the paper organized in a logical fashion?

Publication

Accepted papers will be allocated six (6) pages in the conference proceedings. Up to two (2) additional pages may be used at a cost to the authors of \$250 per page. Papers exceeding eight (8) pages and those violating the instructions to authors will not be included in the proceedings.

Copyright

Authors will be required to transfer copyright of their paper to AAAI.

Please send papers and conference registration inquiries to:

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for Artificial Intelligence
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Menlo Park, CA 94025-3496

Registration and call clarification inquiries (ONLY) may be sent to the CSNET address: NCAI@aaai.org. Please send program suggestions and inquiries to:

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