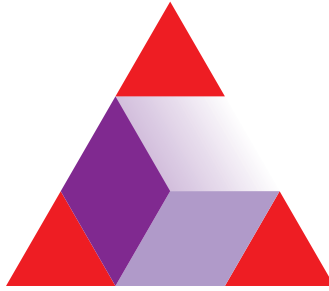


AAAI-90

CALL FOR PAPERS

Sponsored by the American Association
for Artificial Intelligence



EIGHTH NATIONAL CONFERENCE ON ARTIFICIAL INTELLIGENCE

JULY 29-AUGUST 3, 1990
BOSTON, MASSACHUSETTS

AAAI-90 is the eighth national conference. The purpose of the conference is to promote research of the highest caliber in Artificial Intelligence (AI) and to promote scientific interchange among AI researchers and practitioners. In each of the following content areas, papers may range from engineering to science. Papers may represent significant contributions to (a) the state of the art in AI practice or (b) the development of computational principles underlying cognition and perception in man and machine. In the case of papers with an applications orientation, particular attention will be given to those that present an in-depth analysis of experience with AI techniques in substantial applications, especially if the authors are able to characterize the properties of the problem domain that enable the application of those techniques.

CONTENT AREAS

▲ AI and Education ▲ Automated Reasoning (automatic programming, planning and scheduling, rule-based reasoning, search, theorem-proving, uncertainty, truth-maintenance systems, constraint-based systems) ▲ Cognitive Modelling ▲ Commonsense Reasoning (qualitative reasoning, design, diagnosis, simulation) ▲ Impacts of AI Technology (organizational, economic, and social implications) ▲ Knowledge Acquisition and Expert System Design Methodologies (techniques for designing expert systems and acquiring domain knowledge) ▲ Knowledge Representation (knowledge-representation systems, inheritance, non-monotonic logic, nonstandard logics, temporal reasoning) ▲ Machine Architectures and Computer Languages for AI ▲ Machine Learning ▲ Natural Language (generation and understanding; syntax, speech, dialogue) ▲ Perception and Signal Understanding (vision) ▲ Philosophical Foundations ▲ Robotics ▲ User Interfaces

REQUIREMENTS FOR SUBMISSION

Timetable

Authors must submit six (6) complete copies of their papers (hard copy only—we cannot accept computer files) to the AAAI office by Tuesday, February 20, 1990. Papers received after this date will be returned unopened. Notification of receipt will be mailed to the first author (or designated author). All inquiries regarding lost papers must be made by Wednesday, March 21, 1990.

Notification of acceptance or rejection will be mailed to the first author (or designated author) by April 6, 1990.

Paper Format for Review

Each copy of the paper should be clearly legible. Good quality print is required. (Dot-matrix printout is not acceptable unless truly of letter quality.) Papers should be single-spaced and printed using 12 pt. type (10 characters/ inch for typewriters). On each page of the paper, the text (including figures, tables, and diagrams, but excluding headers and footers) should fit in an area 6.5" by 9".

Length

Authors must restrict the body of their papers to 11 pages, including figures, tables, and diagrams, but not including the bibliography.

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, and a short (less than 200 word) abstract. The title page must specify exactly one topic from the above list of topics (as well as a subtopic, if applicable) as the main topic of the paper. A secondary topic or group of topics may also be given to further characterize the content of the paper.

Submissions to Multiple Conferences

Papers that are also being submitted to other conferences, whether verbatim or in essence, must have this fact clearly stated on the title page. With the exception of workshops with a specialized focus, papers that appear at other conferences must be withdrawn from AAAI-90. Failure to meet any of the requirements above is grounds for summary rejection, without refereeing.

Review Criteria

Each paper will be stringently reviewed by experts in the area specified as the topic of the paper. Reviewers will evaluate papers along four broad dimensions: significance, originality, validity, and clarity.



Please send papers and conference registration inquiries to:

AAAI-90, American Association for Artificial Intelligence,
445 Burgess Drive, Menlo Park, CA 94025-3496.

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