The field of Computer-Aided Software Engineering (CASE) has recently emerged as a commercially-viable widespread application of software engineering techniques and computer technology to information systems development. With the rapid development of computer technology, it is essential to look ahead at the needs of users and organizations, the enabling technologies, and the growth of information systems engineering techniques.

CASE '87 will provide a forum for solid, detailed exchange of ideas among key practitioners, researchers, developers, and leading-edge users in the field, and will result in meaningful goals for the advancement of CASE technology in the next five years.

Working groups will review the current state-of-the-art, discuss present research directions, and consider future requirements in five topic areas:


- **Application of Enabling Technologies:** AI; Expert Systems; Knowledge-Based Tools; Computer Conferencing; Database; Information Resource Directories; 4GLs; Graphics; Ada Technology; Reusable Components; Modeling and Simulation; Role of International Standards.

- **User Working Environment:** User Interfaces; Human Factors; Human-Computer Interaction; Distributed Systems; Work Sharing; Support of Group Work; Integration of Diverse Tools and Software Environments; APSE; Program Support Environments; Extensibility.

- **Hardware Environment and Tools:** Workstation Environments; Networks and Data Sharing; Processor Capabilities; Peripherals Technology; Cooperative Processing.

- **Impact of Programming Language Technology:** Evolution of Language Development; Very-High-Level Languages; Requirements Languages; Domain-Specific Languages; Object-Oriented Programming.

Attendance is limited. Prospective attendees should submit a position paper (1 to 3 pages) or extended abstract on future directions of CASE technology related to one or more of the topic areas, by March 18, 1987.

Longer papers are invited for presentation and subsequent publication in proceedings.

Machine-readable submissions are preferred. Call for Tools Fair Information.

Submit position papers to:
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