FINAL CALL FOR POSITION PAPERS
International Workshop on an Infrastructure for Temporal Databases
Arlington, Texas — June 14 – 16, 1993

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Most database applications utilize time-varying information, yet conventional database management systems offer inadequate support for the processing of such information. Over the past decade there has been growing awareness among researchers of the importance of recording temporal information in a database, as well as an expanded body of knowledge on how to model, store and query temporal information. The objective of this workshop is to define and establish a common infrastructure of the discipline and to develop a consensus base document that will provide a foundation for implementation and standardization as well as for further research.

The workshop will offer the opportunity to identify and define fundamental concepts and techniques for incorporating time in databases. The topics that will be addressed include:

- requirements for temporal database applications
- semantics of time-varying information
- conceptual and physical data models
- query languages, including extensions to SQL
- interaction of infrastructure and DBMS architectures
- implementation issues that will affect infrastructure definitions, such as storage structures, access methods, transaction processing, query processing and distribution
- products, prototypes and standardization efforts

The result of the workshop will be a consensus report establishing an infrastructure supporting both desirable practice and future research. The format will be designed to encourage productive interaction among participants. Therefore, the number of attendees will be restricted to 30. We expect that lodging, meal, and travel expenses for participants to be partially subsidized by the workshop, for which funding is being sought from DARPA-SISTO and NSF.

Invitations will be based on the ability to contribute to a definition of a widely acceptable infrastructure. Authors are invited to submit position papers proposing a portion of the infrastructure that they feel is amenable to consensus. Copies of the accepted papers will be distributed at the workshop.

Position papers should be between 10 and 25 pages in length, and should include the title, author(s), authors' affiliation and an abstract. Submitted papers must indicate clearly how the work is relevant to the workshop's scope. Submitters should also indicate their willingness to contribute to the final report. Ten copies of the manuscript should be submitted by **Friday, January 22, 1993** to:

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We encourage submission of papers from both the academic and industrial spheres.

IMPORTANT DATES

Paper submission deadline	:	January 22, 1993
Notification of invitation	:	April 7, 1993
Final copies for distribution to participants due	:	May 7, 1993

For further information, please contact the general chair.

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