Statement of Interest Submitted to the AAAI-98 Workshop on AI and Information Integration

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Research Interests and Background

I have been working in the field of information integration since 1990, when I established the SIMS (Single Interface to Multiple Sources) research project at the University of Southern California’s Information Sciences Institute. Since that time, the SIMS project has expanded into a group of several coordinated research efforts involving approximately 15 research staff and students, including some of the top researchers in the field today. The group has conducted and is currently conducting research on all aspects of the problem of information integration mentioned in the call for papers, including:

- High-level query facilities
- Modeling the contents of information systems
- Flexible approaches to selecting relevant sources
- Approaches for efficient and flexible query planning
- Learning or constructing wrappers for extracting data
- Resolving inconsistencies in identifying objects

In addition, I am currently heading (together with Prof. Salvatore Stolfo of Columbia University) an effort to establish CARDGIS, the Center for Applied Research in Digital Government Information Systems. The center’s purpose is the application of modern information technology to U.S. Government information systems. AI in general and information technology of the kind developed under the SIMS project in particular are central to the aims of this new center.

Relevant Publications


