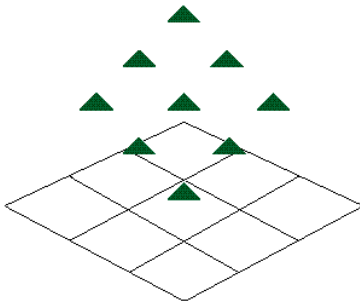


Call for Papers & Participation



Symposium at The 2003 AAI Spring Symposium Series

March 24-26, 2003, Stanford University

Agent-mediated Knowledge Management

Motivation

Knowledge Management (KM) has been a predominant trend in business in the recent years. Not only is Knowledge Management an important field of application for AI and related techniques, such as CBR technology for intelligent lessons-learned systems, it also provides new challenges to the AI community, like context-aware knowledge delivery. Scaling-up research prototypes to real-world solutions usually requires an application-driven integration of several basic technologies, e.g., ontologies for knowledge sharing and reuse, collaboration support like CSCW systems, and personalized information services. Typical characteristics to be dealt with in such an integration are

- manifold logically and physically dispersed actors and knowledge sources,
- different degrees of formalization of knowledge,
- different kinds of (web-based) services and (legacy) systems,
- conflicts between local (individual) and global (group or organizational) goals.

Agent approaches have already been successfully employed for many *partial* solutions within the overall picture: Agent-based workflow, cooperative information gathering, intelligent information integration, or personal information agents are established techniques in this area. In order to cope with the inherent complexity of a more *comprehensive* solution, the concept of **Agent-mediated Knowledge Management (AMKM)** deals with collective aspects of the domain in an attempt to cope with the conflict between desired order and actual behavior in dynamic environments. AMKM introduces a *social layer*, which structures the society of agents by defining specific roles and possible interactions between them.

Topics of Interest

In this symposium we invite contributions which illustrate methodological, technical and application aspects of Agent-mediated Knowledge Management. Topics of interest are

- Methodology for AMKM
 - Analysis and Design Methods for AMKM Systems
 - Relationship between AMKM and General Agent-oriented Software Engineering
 - Relationship between AMKM and Business Engineering Methods
- Functionalities in AMKM Systems
 - Distributed Organizational Memories
 - Ontology Negotiation and Ontology Lifecycle Management
 - Agents for Group Formation and Awareness
 - Agents for Supporting Social Processes (Trust, Reputation)
 - Agent-based Workflow in the KM Context
 - Collaborative Information Retrieval
- Implementation of AMKM Systems
 - Architectures and Platforms for Socially Enabled Agents
 - Distributed KR&R for Socially Enabled Agents
 - User Modeling for Agent Mediated Social Processes
 - Practical application examples for (aspects of) AMKM systems
- Basic Research Questions for AMKM
 - Benefits and reasons for the application of the agent paradigm to KM
 - Organizational Implications of Agent Use in KM
 - Formal models for AMKM

Types of Submission

Those interested in participating should send a **three-page extended abstract** describing their related work and areas of interest. Submissions may discuss work in any stage of development, from concepts and future directions to finished work.

Alternatively, **full papers up to 8 pages** may be submitted. Full papers have to be complemented by a **one-page expression of interest** from those authors who intend to participate in the symposium.

PDF-submissions in AAI format should be sent to elst@dfki.de. For formatting instructions see <http://www.aaai.org/Publications/instructions.html>.

Admission to the symposium is decided upon at least two reviews of the abstracts.

Important Dates

Deadline for abstracts and full papers	October 4, 2002
Notification of acceptance	November 8, 2002
Deadline for final versions of abstracts and papers	January 20, 2003
Symposium	March 24-26, 2003

Contact Information

Send your submission to elst@dfki.de.

For any questions contact one of the Symposium Chairs:

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Additional information including final instructions on format and submissions will be posted at: <http://www.dfki.uni-kl.de/~elst/AMKM/index.html>

General information on the AAAI Spring Symposium Series is posted at:

<http://www.aaai.org/>

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