

# Intelligent Methods for Processing Web-based Information



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<http://www.dbai.tuwien.ac.at/webAI01>

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*A workshop being held in conjunction  
with the KI-2001 conference in Wien*

The world-wide web is by far the largest data source. To transform data into information the user has to have means to process the resources. This is not an easy task with today's tools. Innovation is needed to build next generation mediators between users and the distributed information on the web. The workshop will focus on substantial contributions of the fields of AI for this task. Potential topics of the workshop are the application of AI methods to

- discovery, automated extraction, and transformation of data (such as pattern detection, wrapper generation, logic-based extraction languages, extraction heuristics)
- information integration and mediation (such as web ontologies, query languages for semistructured data, representation of semistructured data, constructing knowledge bases, agent-based approaches)
- monitoring documents and tracking changes (such as comparing XML documents, evaluation of ubiquitous and continuous queries, information filtering using machine learning, publish-subscribe systems).
- presentation of information (such as personalised information views, document construction, multi-modal information presentation, user modelling)

System demonstrations are warmly welcome.

## **Attendance:**

The workshop will be of interest to academics, graduate students, and industry researchers/engineers working on the boundaries of information processing and artificial intelligence. Participants are expected to register for the KI-2001 conference. The workshop language will be English.

## **Call for Papers:**

We invite contributions that advance the state-of-the-art in topics related to the purpose of the workshop. Persons interested in participating should submit either a technical paper (not exceeding eight pages) or a position paper (not exceeding three pages) addressing new research issues. Please use

fonts not smaller than 10 pt and submit papers in pdf or ps format only. Format instructions for camera-ready copies will be available after notification of acceptance. Abstracts are required to be of a length of about 100 to 150 words. Please submit your papers and any questions to [webAI01@dbai.tuwien.ac.at](mailto:webAI01@dbai.tuwien.ac.at). The papers will be reviewed by members of the program committee. Accepted papers will be published online and selected papers will be considered for publication in a special issue or section of the AICOM journal.

## **Preliminary Schedule:**

02.03.01	website available
19.03.01	official call for participation launched
08.06.01	paper submission deadline
11.07.01	notification of acceptance
13.07.01	release of workshop program
24.08.01	submission deadline for camera- ready papers
31.08.01	papers available on workshop web page
17.09.01	workshop webAI01

## **Workshop Schedule (one day):**

Each presentation is 20 min including additional 10 minutes for discussion. To encourage discussions, accepted contributions will be published on the Web before the workshop. As a consequence, the background of all participants will be known beforehand and presentations and discussions can focus on the technical questions. Participants will be encouraged to prepare questions for speakers.

## **Organising Committee:**

Robert Baumgartner, *Vienna Univ. of Technology*  
Sergio Flesca, *University of Calabria*  
Marcus Herzog, *Vienna University of Technology*

## **Program Committee:**

Liliana Ardissono, *University of Torino*  
Robert Baumgartner, *Vienna Univ. of Technology*  
Angela Bonifati, *Politecnico di Milano*  
Sergio Flesca, *University of Calabria*  
Marcus Herzog, *Vienna University of Technology*  
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Wolfgang May, *Albert-Ludwig-University Freiburg*  
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