



## Call for papers

### VI Workshop on Agents Applied in Health Care (A2HC)

December 14<sup>th</sup>, 2010. Casablanca, Morocco

#### Organisers

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#### Important dates

Workshop paper submission:  
**September 20th, 2010**  
Notifications on Workshop  
paper submissions:  
**October 18th, 2010**  
Final paper submission:  
**November 15th, 2010**  
Workshop:  
**December 14th, 2010**

#### Submission

Papers should be submitted  
following the **Springer** format.  
Contributions should be sent  
through the corresponding  
**EasyChair** account  
(see [instructions](#))

#### Overview

Multi-agent systems are one of the most exciting research areas in Artificial Intelligence. In the last ten years there has been a growing interest in the application of agent-based systems in health care, and it has been argued that the properties of agents fit very well with the usual characteristics of the problems found in health care.

The first specialised workshop on this area was held at Autonomous Agents '2000; several other workshops have followed since then, including three ECAI workshops in 2002, 2004 and 2006. Moreover, a growing European community of researchers interested in the application of intelligent agents in health care emerged as a result of the activities within the AgentCities European project and the AgentLink III Technical Forum Group on Healthcare Applications of Intelligent Agents.

The field is now starting to have some academic maturity, and it may now be a good time for the specialists in the field to meet and report on the results achieved in this area, to discuss the benefits (and drawbacks) that agent-based systems may bring to medical domains, and also to provide a list of the research topics that should be tackled in the near future to make the deployment of health-care agent-based systems a reality.

All the submitted papers will be revised by at least three members of the Program Committee.

The main aspects to be reviewed will be originality, technical accuracy and relevance to the workshop.

Note that all workshop participants need to register for [eHealth 2010 Conference](#).

#### Topics

- Co-operation between intelligent agents to improve patient management (*e.g.*, distributed patient scheduling).
- Agents that provide remote or elderly care delivery.
- Agents that provide information about medical services.
- Multi-agent systems for patient monitoring and diagnosis.
- Agent-based execution of clinical guidelines.
- Successful applications of agents and multi-agent systems in health care.
- Multi-agent systems that improve medical training or education (*e.g.* tutoring systems).
- Patient-centred agent-based applications.
- Medical agent-based decision support systems.
- Information agents that gather, compile and organise medical knowledge available on Internet.
- Solutions to the basic methodological and technological problems associated to the real deployment of health-care agent-based systems:
  - Security, privacy of medical data.
  - Social acceptance of agent-based systems.
  - Lack of clinical ontologies.
  - Lack of centralised control.
  - Communication standards (HL7 and EN13606).
  - Integration with other types of software.
  - Legal and ethical issues related to the use of agents in health care.
- Surveys providing an up to date view of the state of the art in the area of agents in health care.