Dartmouth Workshop on Transportable Agents (DWTA)

Wednesday, October 6, 1999
Palm Springs, California

The 1999 Dartmouth Workshop on Transportable Agents is being held in conjunction with ASA/MA’99. The objective of DWTA is to bring together key researchers from all areas relevant to mobile agents for a day of discussion. The 1999 meeting is the third in a series of meetings. The proceedings from the 1996 and 1997 workshops are available on the Web at

http://agent.cs.dartmouth.edu/workshops/1996/
and
http://agent.cs.dartmouth.edu/workshops/1997/

The proceedings from the 1999 workshop will be available at http://agent.cs.dartmouth.edu/workshops/1999/ in late October.

The themes for the 1999 Workshop are scalability and fault-tolerance in mobile-agent systems. Within the context of these general themes, participants will discuss several aspects of mobile-agent systems, including communication, resource allocation, authentication and security, planning, and programming and debugging. The experts’ presentations will focus on the issues related to scalability and fault tolerance for each topic, particularly the unsolved technical issues, rather than on specific details of the expert’s own system or application. Each 30-minute expert presentation will be followed by thirty minutes of audience discussion.

There will be five expert presentations at the 1999 Workshop

1. Models for analyzing fault-tolerant and scalable mobile code  
   Speaker: Prof. Gian Pietro Picco, Politecnico di Milano, Italy

2. Fault-tolerance issues for communicating mobile agents  
   Speaker: Prof. Keith Marzullo, University of California at San Diego

3. Naming and services for scalable and fault-tolerant mobile-agent systems  
   Speaker: Geoff Arnold, Sun Microsystems

4. Network management in scalable and fault-tolerant mobile-agent systems  
   Speaker: Prof. Ken Vastola, Rensselaer Polytechnic Institute

5. Capstone discussion  
   Presenter and moderator: Prof. Jim Hendler, University of Maryland at College Park and DARPA

In addition, there will be two hours of small break-out discussions before the capstone presentation.

The speaker presentations, and notes on the discussions, will be available in late October at the Web address above.