

the AgentLink-Agentcities



# Agent Technology Conference

## Agents for Commercial Applications



Michael Luck  
AgentLink Director



Steve Willmott  
Agentcities Director



# What are “Agents”?



- **Autonomous** software components
- Capable of acting independently to **achieve design objectives**
- Capable of **cooperating** with other agents to achieve design objectives
- Ideally suited to modern computing in ***dynamic and open*** environments



# What is AgentLink?

- Open network for agent-based computing.
- Intended to give European industry a head start in a crucial new area of IT.
- A community of member organisations from commerce, industry and research
- **Free to join!**



# AgentLink Activities

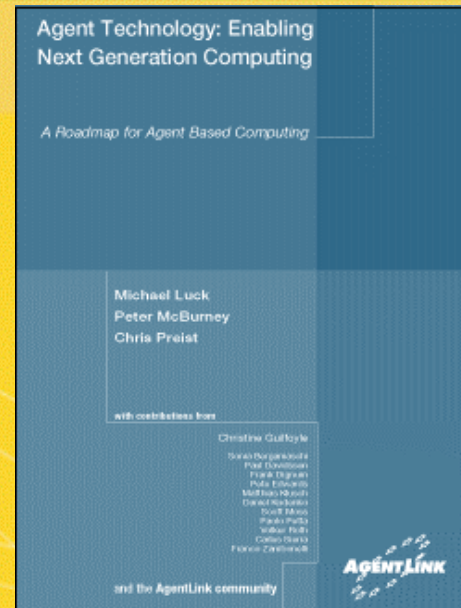


- Industry actions
  - Support & promote standards: FIPA, OMG
  - Agent Software Database
- Research Coordination
- Education and Training
  - Summer school
- Information Infrastructure
  - Website
  - Magazine



# The Agent Technology Roadmap

- Industrial and academic contributors
- State of the art
- Technical challenges
- Application opportunities



# Special Interest Groups

## Access to leading edge research

- Agent-Mediated Electronic Commerce
- Agent-Based Social Simulation
- Methodologies and Software Engineering for Agent Systems
- Intelligent Information Agents
- Intelligent and Mobile Agents for Telecoms and the Internet
- Agents that Learn Adapt and Discover



# The Agent Portal

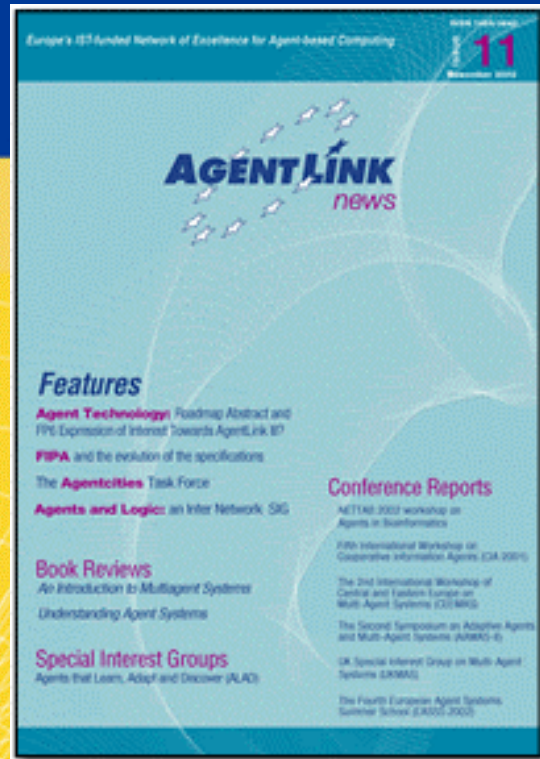
## www.AgentLink.org

The screenshot shows the AgentLink.org website. At the top left is the AGENTLINK logo with the tagline "EUROPE'S NETWORK OF EXCELLENCE FOR AGENT-BASED COMPUTING". To the right is the URL "agentlink.org" and a navigation menu with links for HOME, CONTACT, SITEMAP, and SEARCH. Below this is a secondary navigation bar with links for MEMBERS MAP, AGENT JOBS, EVENTS, PEOPLE FINDER, AGENT SOFTWARE, CONFERENCE CALENDAR, and JOIN. The main content area is divided into several sections:

- What's Happening:** A list of activities including AgentLink News, Special Interest Groups, Sponsored Events, Conference Calendar, AgentLink Activities, Inter-Network Activities, EASSS: Agent Systems, and Spring School 2003.
- Publications:** Links to AgentLink Newsletter, Email Update, Agents in the Press, and Other Publications.
- Databases:** Links to Agent Papers, Curricula, Agent Projects, and Research Profiles.
- upcoming events:** A grid of event cards for February 2003:
  - Agentcities-AgentLink Agent Technology Conference:** February 5 2003, Barcelona.
  - agentcities Information Days and Technology Competition Finals:** February 6-8 2003, Barcelona.
  - AGENTLINK.org Special Interest Group Meetings:** February 3-4 2003.
  - The 5th European Agent Systems Spring School:** February 10-14 2003.
- Recently Updated:** A list of recently updated content including Agent Technology Roadmap, ATC: Feb 2003, MAS Software Report, Agent Jobs, Member Research Profiles, Agent Software [111], and ALAD/AMEC SIG slides.
- Announcements:** Links to Sixth Framework Programme 2002-2006, Agent Research Projects [96], and Conference Events [95].



# Newsletter



# How many members do you have?



- 174 full members
- Twenty-three countries
- Industrial giants
- Technology providers
- User organisations



# Industrial Members



# Industrial Members



# Can I Join?



- AgentLink is *open* to:
  - all European industry
  - all European academic sites that demonstrate excellence in agent research
- **Membership is free!**



# To Find Out More...



## Dr Michael Luck (AgentLink Director)

Department of Electronics and Computer Science

University of Southampton

Southampton SO17 1BJ

United Kingdom

[www.agentlink.org](http://www.agentlink.org)

[coordinator@AgentLink.org](mailto:coordinator@AgentLink.org)



# What is Agentcities? ○ ○ ○

- The world's largest deployment of Agent Systems to date
  - By number of individual deployments
  - By geography
- Over 100 platforms in 20+ countries hosted by individual universities and companies
- Growing rapidly



# What is Agentcities? ○ ○ ○

- Deployments are
  - Standards compliant Agent Systems (prevalent Agent and Semantic Web standards)
  - Agents can dynamically discover one another in the network and provide services.
- Dynamic Service Environment





# Why do this?



- Agentcities
  - Creating a “pre-market”
  - Builds critical mass (explosive growth)
  - Matures tools, methods ... and business models
- Critical experience for “advanced web/grid services”



# Activities



- Research Projects:
  - European Commission Agentcities.RTD / Agentcities.NET
  - National projects: Australia, Hungary, France, Spain and Finland.
- Coordination Activities
- Network development (technical recommendations)



# Who's involved?



- Many major industrials
  - Motorola, BT, Fujitsu, HP, Siemens, Nokia, ...
- Technology companies
  - Whitestein, Tryllian, Agentscape, AEGIS
- Many of the world's leading AI/Agent research groups
- A broad representation from many regions of the world



# How to get Involved? ○ ○ ○

- Joining / Participation
  - Agentcities.NET project membership
    - Free
    - <http://www.agentcities.org/EUNET>
  - openNet
    - Expressions of Interest / Research proposals
    - <http://www.agentcities.org/openNet>
  - Put up a platform!



# To Find Out More...



**Dr Steven Willmott (Agentcities Director)**

Knowledge Engineering and Machine Learning Group

Universitat Politecnica de Catalunya

Barcelona

Catalunya, Spain

[www.agentcities.org](http://www.agentcities.org)

[info@agentcities.org](mailto:info@agentcities.org)



# Why are we here?



- Agent technology
  - One of the most important emerging areas of IT
- Presentations and demonstrations
  - Highlight emerging markets and opportunities
  - Describe previous experiences
  - Demonstrate the value and potential

