

Preliminary Program of the International Workshop CIA 2001

September 6, 2001

9:15 Welcome

9:30 – 13:00 Session 1

**Information Agents for Mobile and Wireless Environments:
Practical Issues and Directions**

9:30–10:30

Invited Talk:

Information Agents for Mobile and Embedded Devices

T. Finin (USA)

10:30–11:00

Enabling FIPA agents on small devices

G. Adorni, F. Bergenti, A. Poggi, G. Rimassa (Italy)

11:00–11:15

**Towards efficient and reliable agent communication in
wireless environments**

H. Helin, M. Laukkanen (Finland)

11:15 -- coffee break --

11:45–12:45

Invited Talk:

Mobile Agents: State of the Art and Research Opportunities

G.P. Picco (Italy)

-- 15 min open discussion on talks of the session --

LUNCH BREAK (13:00 – 14:30)



14.30 – 16:00 Session 2

Personal Assistance: Interaction and Avatars

14:30–15:30

Invited Talk:

Interactive Integration of Information Agents on the Web

Y. Kitamura, et al. (Japan)

15:30–15:45

**Improving communication in 3D virtual environments
by means of task delegation in agents**

R. Imbert, A. de Antonio, J. Segovia (Spain)

15:45–16:00

Wizard of Oz Method for Learning Dialog Agents

M. Okamoto, Y. Yang, T. Ishida (Japan)

16:00 -- 30 min coffee break --



16:30 – 18:00 Session 3

Information Search and Recommendation

16:30 – 16:45

Supporting User-Profiled Semantic Web-Oriented Search

L. Palopoli, D. Rosaci, G. Terracina, D. Ursino (Italy)

16:45 – 17:00

Recommending a trip plan by negotiation with a software travel agent

V.-W. Soo, S.-H. Liang (Taiwan)

17:00 – 17:15

CoWing: A collaborative bookmark management system

R. Kanawati, M. Malek (France)

17:15 – 17:30

Context-Aware Agents for Personal Information Services

E. Plaza, J.-L. Arcos (Spain)

17:30 – 17:45

Part of Session 9 (Issues of Collaboration and Coordination):

A mechanism for temporal reasoning by collaborative agents

M. Hadad, S. Kraus (Israel, USA)

-- 15 min open discussion on talks of the day --



18.30 – 20.00

Reception at the Faculty of Engineering Hall

- Drinks & Appetizers
- Welcome by the
 - Local Chair of CIA 2001: Franco Zambonelli (University of Modena & Reggio Emilia)
 - Dean of University of Modena & Reggio Emilia, or Mayor of the City of Modena

September 7, 2001

9.15 – 10:45 Session 4

Data Warehousing and Mining

9:15–10:15

Invited Talk:

Data Warehouse Quality and Agent Technology

M. Jarke (Germany)

10:15–10:30

Decision Trees for Multiple Abstraction Levels of Data

D. Lee, M. Jeong (Korea)

-- 15 min open discussion on talks of the session --



10:45 – 13:00 Session 5

Collaborative Information Agents: Systems and Applications

10:45–11:15

Supporting Information Integration With Autonomous Agents

S. Bergamaschi, G. Cabri, F. Guerra, L. Leonardi,

M. Vincini, F. Zambonelli (Italy)

11:15 -- coffee break --

11:45–12:15

Extending a multi-agent system for genomic annotations

K. Decker, S. Khan, C. Schmidt, D. Michaud (USA)

12:15-12:30

Using agents in performing multi-site queries

E. Di Nitto, C. Ghezzi, M. Sabba, P. Selvin (Italy)

12:30-13:00

Domain-independent ontologies for cooperative information agents

M. Gomez, C. Abasolo, E. Plaza (Spain)

-- 15 min Open discussion on talks of the day --

LUNCH BREAK (13:15 - 14:30)



14:30 - 15:30 Session 6: **System Demonstrations**

LEAP - Enabling FIPA agents on small devices

Federico Bergenti (University of Parma, Italy)

Towards Efficient and Reliable Agent Communication in Wireless Environment

H. Helin, M. Laukkanen (Sonera, Finland)

16:00 - 23:00 **SOCIAL PROGRAM**

- 16:00 Shuttle leaves from University to Maranello & Galleria Ferrari
- 16:45 - 17:45 Guided visit to Galleria Ferrari or guided walking tour in Maranello historic centre
- 18:00 Shuttle from Maranello to Vignola
- 18:20 - 19:00 Guided visit to "Acetaia" in Vignola (with balsamic vinegar offerings)
- 19:15 - 22:00 Common Dinner in Vignola
 - appetizers on the terrace, dinner inside, coffee and liquors on the terrace with piano music
- 22:00 - 22:30 Shuttle returns to Modena city center and hotels.

September 8, 2001

9:00 - 10:45 Session 7

Trading Internet Agents (1): Auctions

9:00-9:30

An autonomous bidding agent for simultaneous auctions

N. Formara, L.M. Gambardella (Switzerland)

9:30-10:00

Optimality and risk in purchase from multiple auctions

O. Shehory (Israel)

10:00-10:30

Cryptographic protocols for secure second-price auctions

F. Brandt (Germany)

-- 15 min open discussion on talks of the session --



10:45 - 13:00 Session 8

Trading Internet Agents (2): Strategies, Negotiation, and Design

10:45-11:15

Equilibria strategies for selecting sellers and satisfying buyers

C.V. Goldman, S. Kraus, O. Shehory (USA, Israel)

11:15 -- coffee break --

11:45-12:15

On the logical aspects of argument-based negotiation among agents

L. Brito, P. Novais, J. Neves (Portugal)

12:15-12:30

Introducing a multi-agent, multi-criteria methodology for modeling electronic consumer's behavior: The case of Internet radio

N. Manouselis, N.F. Matsatsinis (Greece)

12:30-12:45

Modeling commercial knowledge to develop advanced agent-based marketplaces for e-commerce

M. Molina (Spain)

12:45-13:00

Arms race within information ecosystems

B. Carlsson, R. Gustavsson (Sweden)

-- 15 min discussion on talks of the session --

LUNCH BREAK (13:15 – 14:30)



14:30 – 17:45 Session 9

Issues of Collaboration and Coordination

14:30-15:30

Invited Talk:

Information Agents: The Social Nature of Information and the Role of Trust

C. Castelfranchi (Italy)

15:30-16:00

A Framework for the Exchange and Installation of Protocols in a Multi-Agent System

T. Iwao, Y. Wada, M. Okada, M. Amamiya (Japan)

16:00 -- coffee break --

16:30-16:45

Ontology negotiation as a basis for opportunistic cooperation between intelligent information agents

S.C. Ballin, W. Truszkowski (USA)

16:45-17:15

Agent coordination infrastructures for virtual enterprises and workflow management

A. Ricci, E. Denti, A. Omicini (Italy)

17:15 -- 30 min open discussion on the talks of the day --



17:45 – 18:00 Session 10

Closing of the Workshop

- Workshop Results, Facts & Acknowledgements
- CIA Best Paper Award 2001
- CIA System Innovation Award 2001
- Announcement of CIA 2002