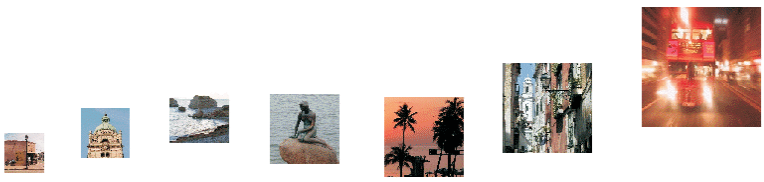
Computational Logic in Multi-Agent Systems

Sixth International Workshop

City University London, UK, 27-29 June, 2005

Programme



CLIMA VI Home Page:
`http://clima.deis.unibo.it/`

Schedule

Schedule at a Glance

	27 June, Monday	28 June, Tuesday	29 June, Wednesday
8:45	Registration	Registration	Registration
9:15	Opening		
9:30	Tutorial T1 (Rafael Bordini)	Tutorial T2 (Michael Fisher)	Tutorial T4 (Marek Sergot)
10:30	coffee break	coffee break	coffee break
11:00	Tutorial T5 (Fariba Sadri & Kostas Stathis)	Tutorial T6 (Federico Chesani & Marco Gavanelli)	Tutorial T3 (Keith Clark & Silvana Zappacosta Amboldi)
12:00	CLIMA Session A: Composition and Completeness	CLIMA Session C: Interacting Agents	Invited Talk by Bob Kowalski
13:00	lunch break	lunch break	lunch break
14:00	CLIMA Session B: Reasoning about Agent Knowledge	CLIMA Contest	CLIMA Session E: Executing Agents
15:30		coffee break	coffee break
16:00	coffee break	CLIMA Session D: Normative Multi-Agent Systems	CLIMA Session F: Agent Abilities, Intentions, and Trust
16:30	SOCS Dissemination		
17:30			Closing
18:30		Social Dinner at the OXO tower	

After dinner: WTF Funky gig at Halfmoon Putney

Detailed Schedule

June 27, Monday

8:45-9:15: Registration.

8:15-9:30: Opening.

9:30-12:00: Tutorials T1 and T5.

- BDI Agent Programming in AgentSpeak Using *Jason*, by *Rafael H. Bordini*
- The $\mathcal{KGP}$ model of agency, by *Fariba Sadri and Kostas Stathis*

12:00-13:00: Session A: Interacting agents.

Chair: Evelina Lamma

- Verification of protocol conformance and agent interoperability, by *Matteo Baldoni, Cristina Baroglio, Alberto Martelli, and Viviana Patti*
- A semantics for agent communication languages based on commitments and penalties, by *Leila Amgoud and Florence Dupin de Saint-Cyr*

14:00-16:00: Session B: Reasoning about agent knowledge.

Chair: Rafael H. Bordini

- Reasoning about epistemic states of agents by modal logic programming, by *Linh Anh Nguyen*
- Decision procedure for a fragment of mutual belief logic with quantified agent variables, by *Regimantas Pliuskevicius and Aida Pliuskeviciene*
- Strongly complete axiomatizations of "knowing at most" in standard syntactic assignments, by *Thomas Ågotnes and Michal Walicki*
- Logical spaces in multi-agent only knowing systems, by *Bjørnar Solhaug and Arild Waaler*

16:30-18:00: SOCS Dissemination.

June 28, Tuesday

9:10-9:30: Registration.

9:30-12:00: Tutorials T2 and T6.

- Programming Rational Agent Groups using Executable Logics, by *Michael Fisher*
- Specification and verification of agent interaction using *SOCS-SCIFF*, by *Federico Chesani and Marco Gavanelli*

12:00-13:00: Session C: Composition and completeness in multi-agent systems.

Chair: Stefania Costantini

- Combining answer sets of nonmonotonic logic programs, by *Chiaki Sakama and Katsumi Inoue*
- Speculative constraint processing with iterative revision for disjunctive answers, by *Martine Ceberio, Hiroshi Hosobe, and Ken Satoh*

14:00-15:30: CLIMA contest.

Chair: Jürgen Dix

- Using pheromones, broadcasting and negotiation for agent gathering tasks, by *Simon Coffey and Dorian Gaertner*
- Reactive food gathering, by *Robert Logie, Jon G. Hall, and Kevin G. Waugh*
- Extending tropos for prolog implementation: a case study using the food collecting agent problem, by *Carlos Cares*
- Strategies for multi-agent coordination in a grid world, by *Eder Mateus Nunes Gonçalves and Guilherme Bittencourt*

16:00-17:00: Session D: Normative multi-agent systems.

Chair: Kostas Stathis

- Constitutive norms in the design of normative multi-agent systems, by *Guido Boella and Leendert van der Torre*
- Contextual terminologies, by *Davide Grossi, Frank Dignum, and John-Jules Ch. Meyer*

June 29, Wednesday

9:10-9:30: Registration.

9:30-12:00: Tutorials T4 and T3.

- Norms and institutions in agent societies: the language $(\mathcal{C}/\mathcal{C}^+)^{++}$, by *Marek J. Sergot*
- Programming multi-agent systems in *Qu-Prolog*, by *Keith Clark and Silvana Zappacosta-Amboldi*

12:00-13:00: Invited Talk by Bob Kowalski: Combining logic-based agents and decision theory.

14:00-15:30: Session E: Executing agents.

Chair: Ken Satoh

- Contract related agents, by *John Knottenbelt and Keith Clark*
- Profiles of behaviour for logic-based agents, by *Fariba Sadri and Francesca Toni*
- Diagnosis of plan execution and the executing agent, by *Nico Roos and Cees Witteveen*

16:00-17:30: Session F: Abilities, intentions, and trust.

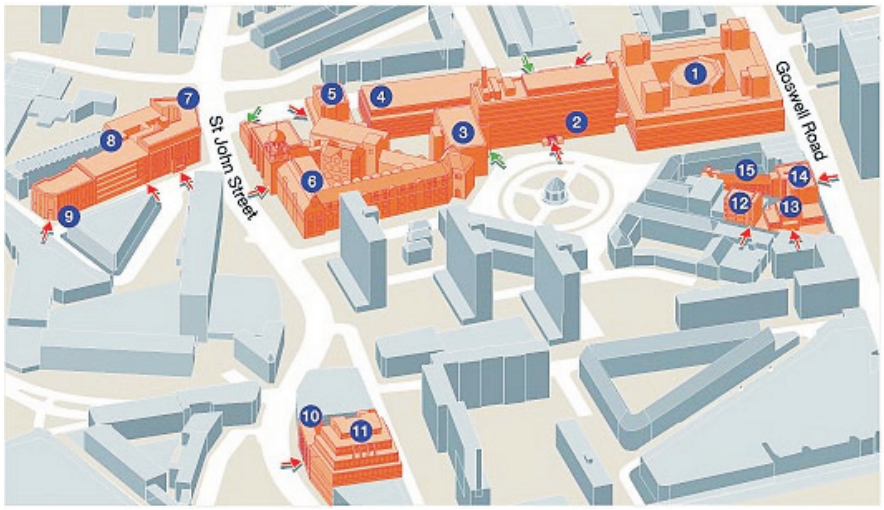
Chair: Marco Gavanelli

- Intention recognition in the situation calculus and probability theory frameworks, by *Robert Demolombe and Ana Maria Otermin Fernandez*
- Ability in a multi-agent context: a model in the situation calculus, by *Laurence Cholvy, Christophe Garion, and Claire Saurel*
- A default theory of trust, by *Johan W. Klüwer and Arild Waaler*

17:30: Closing.

Conference Venue

CLIMA VI will be held at City University of London, in room DLG03 of the Social Science Building (number 7 in the picture below), located on St. John Street at the corner of Whiskin Street, opposite the entrance to College Building (number 2).



Social Events

The *Social Dinner* will take place on Tuesday, at the OXO tower brasserie, from 6:30pm until 8:30pm. The OXO Tower is a spectacular 75 meters terrace offering breathtaking views of the city. It is located on the South Bank of the Thames in London near Waterloo Tube Station. The Harvey Nichols brasserie is on the eighth floor of the tower.

After the Social Dinner, the night continues at *Halfmoon Putney*, with W.T.F. as the main band playing in a super-funky gig. Halfmoon Putney is a very "up" pub and venue, hosting live music full time since 1963. Their hall of fame includes names as big as The Rolling Stones, Pat Metheney, Kate Bush, B. B. King, the Crickets, the U2, Van Morrison, the Who, and many more. From the OXO tower it is possible to reach the Halfmoon Putney by train from Waterloo (from Waterloo Tube Station: Take South West Trains towards Weybridge, get off at Putney, then walk to 93 Lower Richmond Road, SW15). Entry (not included in the CLIMA registration fee) is £4 with flyer.