Talks per Year
Andrea Omicini
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Talks - Talks per Year

Talks in the APICe Space (1991—2015)

Below, the talks in the APICe Space given between 1991 and 2015, ordered by year.

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2015

- **Labelled Variables in Logic Programming: A First Prototype in tuProlog** (23/09/2015), Talk — Andrea Omicini, Enrico Denti, Roberta Calegari / Roberta Calegari
- **D8.2 Legal, ethical and societal issues of BISON. General framework** (28/06/2015), Project Presentation — Andrea Omicini, Claudia Cevenini, Enrico Denti, Italo Cerno, Silvia Bisi / Claudia Cevenini
- **Coordination of Large-Scale Socio-Technical Systems: Challenges and Research Directions** (18/06/2015), Talk — Andrea Omicini, Franco Zambonelli / Franco Zambonelli
- **Agent Environments in the Ambient Event Calculus** (18/06/2015), Invited Talk — Kostas Stathis / Kostas Stathis
- **Blending Event-Based and Multi-Agent Systems around Coordination Abstractions** (03/06/2015), Talk — Andrea Omicini, Stefano Mariani / Stefano Mariani
- **Coordination-aware Elasticity** (11/12/2014), Talk — Andrea Omicini / Andrea Omicini
- **Extending the Gillespie’s Stochastic Simulation Algorithm for Integrating Discrete-Event and Multi-Agent Based Simulation** (05/05/2015), Talk — Andrea Omicini, Danilo Pianini, Sara Montagna / Danilo Pianini
- **Protelis: Practical Aggregate Programming** (16/04/2015), Talk — Danilo Pianini, Mirko Viroli, Jacob Beal / Danilo Pianini
- **Engineering Complex Computational Ecosystems** (14/04/2015), Talk — Danilo Pianini / Danilo Pianini
- **The Distributed Autonomy, Software Abstractions and Technologies for Autonomous Systems** (13/04/2015), Invited Talk — Andrea Omicini / Andrea Omicini
- **UniBO Partner introduction** (15/01/2015), Project Presentation — Enrico Denti / Enrico Denti
- **Ethical and legal support – UniBO role and activities in BISON** (15/01/2015), Project Presentation — Enrico Denti / Enrico Denti
- **Big speech data privacy issues** (15/01/2015), Project Presentation — Claudia Cevenini / Claudia Cevenini
- **Butler-ising HomeManager - A Pervasive Multi-Agent System for Home Intelligence** (10/01/2015), Talk — Enrico Denti, Roberta Calegari / Roberta Calegari

2014

- **Stochastic Coordination in CAS: Expressiveness & Predictability** (15/12/2014), Talk — Andrea Omicini, Stefano Mariani / Stefano Mariani
- **Extending a Smart Home multi-agent system with Role-Based Access Control** (11/12/2014), Talk — Enrico Denti, Marco Prandini, Roberta Calegari / Marco Prandini
- **Coordination-aware Elasticity** (11/12/2014), Talk — Andrea Omicini, Stefano Mariani, Hong-Linh Truong, Georgiana Copil, Schahram Dustdar / Hong-Linh Truong
- **Coordination Games in Multi-Agent Environments** (21/11/2014), Lecture — Visara Urovi / Visara Urovi
- **Research Trends in Nature-inspired Coordination Models** (21/11/2014), Lecture — Andrea Omicini / Andrea Omicini
- **Coordination: The what, the when and the how** (21/11/2014), Lecture — René Schumann / René Schumann
- **Conversation** (21/11/2014), Lecture — Paul Pangaro / Paul Pangaro
- **Design** (21/11/2014), Lecture — Paul Pangaro / Paul Pangaro
- **Laws and Models in Physics vs Biology and the Continuum vs Discrete Interplay** (20/11/2014), Lecture — Giuseppe Longo / Giuseppe Longo

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• Interaction, Complexity, Coordination (20/11/2014), Lecture — Andrea Omicini / Andrea Omicini
• Nature-inspired Models of Coordination (20/11/2014), Lecture — Andrea Omicini / Andrea Omicini
• Introduction to Cybernetics – 1st and 2nd order (20/11/2014), Lecture — Paul Pangaro / Paul Pangaro
• Human centred Cyber Physical Systems (20/11/2014), Lecture — Benjamin Hadorn / Benjamin Hadorn
• Randomness and diversity in biology: comparing complexity and functional organization (19/11/2014), Seminar — Giuseppe Longo / Giuseppe Longo
• Randomness and diversity in biology: comparing complexity and functional organization (19/11/2014), Other Talk — Giuseppe Longo / Giuseppe Longo
• Molecules of Knowledge: Self-Organisation in Knowledge-Intensive Environments (13/11/2014), Talk — Stefano Mariani / Stefano Mariani
• Oscillations Based Multi-Agent System (OSIMAS) Development (12/11/2014), Seminar — Darius Plikynas, Andrej Cholscevnikov / Darius Plikynas, Andrej Cholscevnikov
• TuCSoN Coordination for MAS Situatedness: Towards a Methodology (26/09/2014), Talk — Andrea Omicini, Stefano Mariani / Andrea Omicini
• Event-Based vs. Multi-Agent Systems: Towards a Unified Conceptual Framework, Preliminary Notes (25/09/2014), Lecture — Andrea Omicini / Andrea Omicini
• Coordination in Situated Systems: Engineering MAS Environment in TuCSoN (23/09/2014), Talk — Andrea Omicini, Stefano Mariani / Andrea Omicini

On the “Local-to-Global” Issue in Self-Organisation: Chemical Reactions with Custom Kinetic Rates (08/09/2014), Talk — Stefano Mariani / Stefano Mariani
• Models of Autonomy and Coordination: Integrating Subjective & Objective Approaches in Agent Development Frameworks (03/09/2014), Talk — Andrea Omicini, Luca Sangiorgi, Stefano Mariani / Stefano Mariani
• Agent-based and Chemical-inspired Approaches for Multicellular Models (11/07/2014), Talk — Andrea Omicini, Mirko Viroli, Sara Montagna / Sara Montagna
• Frontiers of Autonomous Systems (08/05/2014), Lecture — Andrea Omicini / Andrea Omicini
• Molecules of Knowledge: Self-Organisation in Knowledge-Intensive Environments (29/04/2014), Seminar — Stefano Mariani / Stefano Mariani

• The Autonomy of Automated Systems (24/04/2014), Invited Talk — Andrea Omicini, Giovanni Sartor / Giovanni Sartor
• Research Trends in Nature-Inspired Coordination (19/02/2014), Lecture — Andrea Omicini / Andrea Omicini
• Engineering Adaptive Service Ecosystems (12/02/2014), Lecture — Mirko Viroli / Mirko Viroli
• Nature-inspired Models of Coordination (12/02/2014), Lecture — Andrea Omicini / Andrea Omicini
• Interaction & Coordination in Distributed Systems (05/02/2014), Lecture — Andrea Omicini / Andrea Omicini
• Tuple-based Coordination of Distributed Systems (05/02/2014), Lecture — Andrea Omicini / Andrea Omicini
• Thou Shalt is not You Will (08/01/2014), Seminar — Guido Governatori / Guido Governatori

2013

• TuCSoN on Cloud: An Event-driven Architecture for Embodied / Disembodied Coordination (20/12/2013), Talk — Andrea Omicini, Stefano Mariani / Andrea Omicini
• Liability and Automation in ATM (13/12/2013), Seminar — Giuseppe Contissa / Giuseppe Contissa
• Parameter Engineering vs. Parameter Tuning: the Case of Biochemical Coordination in MoK (02/12/2013), Talk — Stefano Mariani / Stefano Mariani
• Tuple-based Coordination of Stochastic Systems with Uniform Primitives (02/12/2013), Talk — Andrea Omicini, Stefano Mariani / Andrea Omicini
• Space-aware Coordination in ReSpecT (02/12/2013), Talk — Andrea Omicini, Stefano Mariani / Andrea Omicini
• Tuple-based Coordination of Stochastic Systems with Uniform Primitives (02/12/2013), Other Talk — Andrea Omicini, Stefano Mariani / Andrea Omicini
• WP6 - Dissemination, Collaboration & Exploitation - 3rd Year & Final Report (20/11/2013), Project Presentation — Andrea Omicini / Andrea Omicini
• Event-driven Programming for Situated MAS with ReSpecT Tuple Centres (17/09/2013), Talk — Andrea Omicini, Stefano Mariani / Stefano Mariani
• Event-driven Programming for Situated MAS with ReSpecT Tuple Centres (17/09/2013), Other Talk — Andrea Omicini, Stefano Mariani / Stefano Mariani
• Complexity & Interaction: Blurring Borders between Physical, Computational, and Social Systems, Preliminary Notes (11/09/2013), Invited Talk — Andrea Omicini, Pierluigi Contucci / Andrea Omicini
• A core calculus of computational fields (11/09/2013), Talk — Mirko Viroli, Ferruccio Damiani, Jacob Beal / Mirko Viroli
• Coordination for Situated MAS: Towards an Event-driven Architecture (25/06/2013), Invited Talk — Andrea Omicini, Stefano Mariani / Andrea Omicini
Talks - Talks per Year

- SAPERE Methodology: Towards the Final Version (18/06/2013), Project Presentation — Ambra Molesini, Andrea Omicini
- WP1 at M32: State and Plans (18/06/2013), Project Presentation — Mirko Viroli, Mirko Viroli
- SAPERE Analysis tools (18/06/2013), Talk — Danilo Pianini, Danilo Pianini
- Engineering Computational Ecosystems (2nd year PhD seminar) (07/06/2013), Talk — Danilo Pianini, Danilo Pianini
- Probabilistic Modular Embedding for Stochastic Coordinated Systems (04/06/2013), Talk — Andrea Omicini, Stefano Mariani
- Complexity & Interaction: Blurring Borders between Physical, Computational, and Social Systems. A Coordination Perspective (03/06/2013), Talk — Andrea Omicini, Pierluigi Contucci, Andrea Omicini
- Engineering Self-organising Coordination: A Computational Field Approach (03/06/2013), Talk — Mirko Viroli, Mirko Viroli
- From Engineer to Alchemist, There and Back Again: An Alchemist Tale (24/05/2013), Talk — Danilo Pianini, Danilo Pianini
- Molecules of Knowledge: Self-Organisation in Knowledge-Intensive Environments (17/05/2013), Talk — Andrea Omicini, Stefano Mariani, Stefano Mariani
- Molecules of Knowledge: a Novel Approach over Knowledge Management (11/05/2013), Other Talk — Stefano Mariani, Stefano Mariani
- Molecules of Knowledge: a Novel Approach over Knowledge Management (11/05/2013), Poster Presentation — Stefano Mariani, Stefano Mariani
- Engineering Pervasive Multiagent Systems in SAPERE (07/05/2013), Talk — Ambra Molesini, Andrea Omicini, Mirko Viroli, Franco Zambonelli, Mirko Viroli
- Promoting Space-Aware Coordination: ReSpecT as a Spatial-Computing Virtual Machine (06/05/2013), Talk — Andrea Omicini, Stefano Mariani, Stefano Mariani
- Engineering Confluent Computational Fields: from Functions to Rewrite Rules (06/05/2013), Talk — Mirko Viroli, Mirko Viroli
- Composing gradients for a context-aware navigation of users in a smart-city (06/05/2013), Talk — Mirko Viroli, Sara Montagna, Mirko Viroli
- MoK: Stigmergy Meets Chemistry to Exploit Social Actions for Coordination Purposes (03/04/2013), Talk — Andrea Omicini, Stefano Mariani, Stefano Mariani
- Spatial Computing with Chemistry (26/03/2013), Internal Talk — Sara Montagna, Mirko Viroli
- Probabilistic Embedding: Experiments with Tuple-based Probabilistic Languages (21/03/2013), Poster Presentation — Andrea Omicini, Stefano Mariani, Stefano Mariani
- Autonomy, Interaction & Complexity in Computational Systems. Preliminary Notes (06/03/2013), Invited Talk — Andrea Omicini, Andrea Omicini
- SAPERE Methodology: Status & Next Steps (20/02/2013), Project Presentation — Ambra Molesini, Andrea Omicini, Andrea Omicini
- WP1 tools: current status and ongoing work (20/02/2013), Talk — Danilo Pianini, Danilo Pianini
- SAPERE Methodology: The Complete Process (20/02/2013), Project Presentation — Ambra Molesini, Ambra Molesini
- SAPERE project (and relevance for CINA) (06/02/2013), Project Presentation — Mirko Viroli, Mirko Viroli
- Glocality: emergent behaviours (06/02/2013), Talk — Mirko Viroli, Mirko Viroli
- Engineering Agent-Oriented Technologies and Programming Languages for Computer Programming and Software Development (30/01/2013), PhD Presentation — Andrea Santì, Andrea Santì
- Agent Models with Interaction: The Thermodynamics and Statistical Mechanics Perspectives (15/01/2013), Informal Talk — Pierluigi Contucci, Pierluigi Contucci
- The TuCSoN Coordination Model & Technology. A Guide (09/01/2013), Other Talk — Andrea Omicini, Stefano Mariani, Andrea Omicini, Stefano Mariani

2012

- Nature-inspired Coordination for Complex Multi-Agent Systems (18/12/2012), Invited Talk — Andrea Omicini, Andrea Omicini
- Engineering Computational Ecosystems (05/11/2012), Seminar — Danilo Pianini, Danilo Pianini
- Recipes for Sabayon: cook your own Linux distro within two hours (27/10/2012), Tutorial — Danilo Pianini, Danilo Pianini
- Programming abstractions for integrating autonomous and reactive behaviors: an agent-oriented approach (21/10/2012), Talk — Alessandro Ricci, Andrea Santì, Alessandro Ricci
- Nature-inspired Coordination for Complex Distributed Systems (26/09/2012), Invited Talk — Andrea Omicini, Andrea Omicini
- Molecules of Knowledge: Self-Organisation in Knowledge-Intensive Environments (25/09/2012), Talk — Andrea Omicini, Stefano Mariani, Stefano Mariani
**Talks - Talks per Year**

- An Eclipse-based IDE for Agent-Oriented Programming in simpAL (21/09/2012), Talk — **Alessandro Ricci**, Andrea Santi / Andrea Santi
- Towards a comprehensive approach to spontaneous self-composition in pervasive ecosystems (19/09/2012), Talk — Danilo Pianini, Mirko Viroli, Sara Montagna, Jose Luis Fernandez Marquez / Danilo Pianini
- Programming Distributed Multi-Agent Systems in simpAL (18/09/2012), Talk — Alessandro Ricci, Andrea Santi / Andrea Santi
- SAPERE WP6 in Y2 – Preview (12/09/2012), Project Presentation — Andrea Omicini / Andrea Omicini
- Gradient-based Self-organisation Patterns of Anticipative Adaptation (11/09/2012), Talk — Danilo Pianini, Mirko Viroli, Sara Montagna / Danilo Pianini
- Towards the Analysis & Prediction of Complex System Behaviour in SAPERE (10/09/2012), Talk — Andrea Omicini, Marco Alberti / Andrea Omicini
- Self-Organising News Management: The Molecules of Knowledge Approach (10/09/2012), Talk — Andrea Omicini, Stefano Mariani / Stefano Mariani
- SAPERE Methodology Alpha Version (10/09/2012), Talk — Ambra Molesini, Andrea Omicini / Andrea Omicini
- Toward Approximate Stochastic Model Checking of Computational Fields for Pervasive Computing Systems (10/09/2012), Talk — Matteo Casadei, Mirko Viroli / Mirko Viroli
- WP1 @ M24 Progresses and Review (10/09/2012), Project Presentation — Mirko Viroli, Mirko Viroli
- Alchemist simulator: ready for M20 release (11/06/2012), Project Presentation — Danilo Pianini / Danilo Pianini
- SAPERE WP6 Issues (11/06/2012), Project Presentation — Andrea Omicini, Sara Montagna / Sara Montagna
- WP1 @ M21. Progresses and Plan (11/06/2012), Talk — Mirko Viroli / Mirko Viroli
- Conceptual approaches to Semantic IR System (06/06/2012), Informal Talk — Antonella Carbonaro / Antonella Carbonaro
- Molecules of Knowledge: Self-Organisation in Knowledge-Intensive Environments (06/06/2012), Informal Talk — Stefano Mariani / Stefano Mariani
- Typing Multi-Agent Programs in simpAL (05/06/2012), Talk — Alessandro Ricci, Andrea Santi / Alessandro Ricci
- Multi-Agent Oriented Reorganisation within the JaCaMo infrastructure (05/06/2012), Talk — Andrea Santi, Alexandra Sorici, Olivier Boissier, Gauthier Picard, F. Jomi Hubner / Olivier Boissier
- The simulation alchemy (08/05/2012), Seminar — Danilo Pianini, Sara Montagna / Danilo Pianini
- Dynamic Composition of Coordination Abstractions for Pervasive Systems: The Case of LogOp (29/03/2012), Poster Presentation — Andrea Omicini / Mirko Viroli
- A Model for Drosophila Melanogaster Development from a Single Cell to Stripe Pattern Formation (28/03/2012), Talk — Sara Montagna / Sara Montagna
- Pervasive Ecosystems: a Coordination Model based on Semantic Chemistry (28/03/2012), Talk — Mirko Viroli, Mirko Viroli
- Self-adaptive Service Ecosystems for Pervasive Computing (15/03/2012), Seminar — Mirko Viroli / Mirko Viroli
- Agent-Oriented Computing (15/03/2012), Seminar — Alessandro Ricci, Andrea Santi / Alessandro Ricci
- SAPERE WP6 Towards M24 (28/02/2012), Project Presentation — Andrea Omicini / Andrea Omicini
- SAPERE Methodology: A first sketch (27/02/2012), Project Presentation — Ambra Molesini, Andrea Omicini / Andrea Omicini
- WP1 @ M17. Progresses and Plan (27/02/2012), Project Presentation — Mirko Viroli / Mirko Viroli
- Alchemist simulator (27/02/2012), Project Presentation — Danilo Pianini / Danilo Pianini
- FuturICT: An Introduction (14/02/2012), Project Presentation — Andrea Omicini / Andrea Omicini

**2011**

- UniBo middleware prototype and eco-laws language (29/11/2011), Project Presentation — Danilo Pianini / Danilo Pianini
- WP6 – Dissemination, Collaboration & Exploitation (15/11/2011), Project Presentation — Andrea Omicini, Roberta Centonze, Franco Zambonelli, Marco Mamei / Andrea Omicini
- Coordination Models and Technologies toward Self-Organising Systems (04/11/2011), Lecture — Andrea Omicini / Andrea Omicini
- JaCa-Android: an agent-based platform for building smart mobile applications (24/10/2011), Talk — Alessandro Ricci, Andrea Santi / Andrea Santi
- Designing a general-purpose programming language based on agent-oriented abstractions: the simpAL project (24/10/2011), Talk — Alessandro Ricci, Andrea Santi / Alessandro Ricci
- Exploiting the JaCaMo framework for realising an adaptive room governance application (24/10/2011), Talk — Andrea Santi, Alexandra Sorici, Olivier Boissier, Gauthier Picard / Andrea Santi
• **Agent-Oriented Programming for Developing Modern Software Systems** (21/10/2011), PhD Presentation — Andrea Santi / Andrea Santi

• **Agent-Oriented Computing: Agents as a Paradigm for Computer Programming and Software Development** (26/09/2011), Talk — Alessandro Ricci, Andrea Santi / Andrea Santi

• **Exploiting the Eclipse Ecosystem for Agent-Oriented Programming** (23/09/2011), Talk — Alessandro Ricci, Andrea Santi, Antonio Natali, Andrea Leardini / Andrea Santi

• **A Chemical Inspired Simulation Framework for Pervasive Services Ecosystems** (19/09/2011), Talk — Sara Montagna, Mirko Viroli, Danilo Pianini / Danilo Pianini

• **Coordination Models and Technologies toward Self-Organising Systems** (31/08/2011), Invited Talk — Andrea Omicini / Andrea Omicini

• **Towards Adaptive Service Ecosystems with Agreement Technologies** (24/08/2011), Internal Talk — José Santiago Pérez-Sotelo, Carlos E. Casta, Sascha Ossowski / José Santiago Pérez-Sotelo

• **A Simulation Framework for Pervasive Service Ecosystems** (06/07/2011), Talk — Sara Montagna, Mirko Viroli, Danilo Pianini / Danilo Pianini

• **A Coordination Approach to Spatially-Situated Pervasive Service Ecosystems** (06/07/2011), Talk — Elena Nardini, Mirko Viroli, Gabriella Castelli, Marco Mamei, Franco Zambonelli / Danilo Pianini

• **BaSi: Multi-Agent Based Simulation for Medieval Battles** (05/07/2011), Talk — Ambra Molesini, Andrea Omicini / Andrea Omicini

• **Coordination Models and Languages: From Parallel Computing to Self-Organisation** (04/07/2011), Lecture — Andrea Omicini / Andrea Omicini

• **Thesis On Line** (30/06/2011), Other Talk — Andrea Omicini / Andrea Omicini

• **SAPERE WP6 @ M9** (24/06/2011), Project Presentation — Andrea Omicini / Andrea Omicini

• **WP1 Activities: General state, details on the model, future plans** (24/06/2011), Project Presentation — Mirko Viroli / Mirko Viroli

• **A Prototype of LSA-space** (24/06/2011), Project Presentation — Elena Nardini / Elena Nardini

• **Alchemist is a SAPERE-oriented simulator** (23/06/2011), Project Presentation — Danilo Pianini / Danilo Pianini

• **An application of the WP1 computational model to a real scenario** (23/06/2011), Talk — Sara Montagna / Sara Montagna

• **A pattern approach to spatially-situated simulation** (23/06/2011), Talk — Sara Montagna / Sara Montagna

• **Dynamic Social Networks: Modeling Trust, Shocks and Hype** (07/06/2011), Lecture — Marco Cremonini, Luca Allodi

• **Semantic and Fuzzy Coordination Through Programmable Tuple Spaces** (31/05/2011), Seminar — Elena Nardini / Elena Nardini

• **Bio-ICT Convergence: Filling the Gap Between Computer Science and Biology** (24/05/2011), Seminar — Sara Montagna / Sara Montagna

• **Semantic Coordination Through Programmable Tuple Spaces** (28/04/2011), PhD Presentation — Elena Nardini / Elena Nardini

• **Multi-level models and infrastructures for simulating biological system development** (28/04/2011), PhD Presentation — Sara Montagna / Sara Montagna

• **SAPERE WP6 Short Overall Report — M1-M4** (20/01/2011), Project Presentation — Andrea Omicini / Andrea Omicini

• **WP1-WP2 Boundary. Spatiality in the SAPERE model and in eco-laws** (20/01/2011), Project Presentation — Mirko Viroli / Mirko Viroli

• **WP1 Activities. General state, details on the model, future plans** (19/01/2011), Project Presentation — Mirko Viroli / Mirko Viroli

• **Semantic Coordination Through Programmable Tuple Spaces** (17/01/2011), PhD Presentation — Elena Nardini / Elena Nardini

• **Multi-Level Models and Infrastructures for Simulating Biological System Development** (17/01/2011), PhD Presentation — Sara Montagna / Sara Montagna

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**2010**

• **Description Logics** (17/12/2010), Seminar — Elena Nardini / Elena Nardini

• **SAPERE: Self-aware Pervasive Service Ecosystems** (14/12/2010), Project Presentation — Franco Zambonelli / Franco Zambonelli

• **Simulation & Multi-Agent Systems: An Introduction** (14/12/2010), Seminar — Sara Montagna

• **Multi-level Approaches for a Deep Analysis of Morphogenesis in Living Systems** (08/11/2010), Talk — Sara Montagna / Sara Montagna

• **SAPERE: WP6 - Dissemination** (05/10/2010), Project Presentation — Andrea Omicini, Franco Zambonelli / Andrea Omicini

• **SAPERE: WP1 - Model & Methodology** (05/10/2010), Project Presentation — Mirko Viroli
• **Self Organization in Coordination Systems using a WordNet-based Ontology** (30/09/2010), Talk — Andrea Omicini, Mirko Viroli, Sasca Virruso, Danilo Pianini, Ronaldo Menezes / Sasca Virruso, Danilo Pianini

• **A Self-Organising Infrastructure for Chemical-Semantic Coordination** (07/09/2010), Talk — Elena Nardini, Andrea Omicini, Mirko Viroli, Matteo Casadei / Elena Nardini

• **Documenting SODA: An Evaluation of the Process Documentation Template** (07/09/2010), Talk — Ambra Molesini / Ambra Molesini

• **Exploiting Agent-Oriented Programming for Developing Android Applications** (06/09/2010), Talk — Alessandro Ricci, Andrea Santi, Marco Guidi / Andrea Santi

• **A Multiscale Agent-based Model of Morphogenesis in Biological Systems** (06/09/2010), Talk — Sara Montagna / Alessandro Ricci

• **From Coordination to Semantic Self-Organisation: A Perspective on the Engineering of Complex Systems** (05/09/2010), Lecture — Andrea Omicini / Andrea Omicini

• **JaCa-Android: An Agent-based Platform for Building Smart Mobile Applications** (01/09/2010), Talk — Alessandro Ricci, Andrea Santi, Marco Guidi / Andrea Santi

• **Exploiting Agent-Oriented Programming for Building Advanced Web 2.0 Applications** (01/09/2010), Talk — Alessandro Ricci, Andrea Santi, Mattia Minotti / Alessandro Ricci

• **Developing Web Client Applications with JaCa Web** (01/09/2010), Talk — Alessandro Ricci, Andrea Santi, Mattia Minotti / Alessandro Ricci

• **From Objects to Agents: Rebooting Agent-Oriented Programming for Software Development** (25/08/2010), Talk — Andrea Santi / Andrea Santi

• **Multi-Agent Programming** (23/08/2010), Lecture — Alessandro Ricci, Rafael Bordini, Joni Hubner, Olivier Boissier, Mehdi Dastani / Alessandro Ricci, Rafael Bordini, Joni Hubner, Olivier Boissier, Mehdi Dastani

• **Agents & MAS: An Introduction** (23/08/2010), Lecture — Andrea Omicini / Andrea Omicini

• **Agent Oriented Software Engineering** (28/06/2010), Seminar — Ambra Molesini / Ambra Molesini

• **A Framework for Modelling and Simulating Networks of Cells** (10/06/2010), Talk — Sara Montagna / Sara Montagna

• **Coordination in Open and Dynamic Environments with TuCSoN Semantic Tuple Centres** (25/05/2010), Seminar — Elena Nardini, Mirko Viroli, Emanuele Panzavolta / Elena Nardini

• **Action and Perception in Multi-Agent Programming Languages: From Exogenous to Endogenous Environments** (11/05/2010), Talk — Alessandro Ricci, Andrea Santi, Michele Pianti / Andrea Santi

• **Designing and Programming Organizational Infrastructures for Agents situated in Artifact-based Environments - European PhD** (30/04/2010), PhD Presentation — Michele Pianti / Michele Pianti

• **Towards model-driven communications** (29/04/2010), Talk — Ambra Molesini / Ambra Molesini

• **Computational Agents & Artefacts** (13/04/2010), Lecture — Andrea Omicini

• **Coordination in Open and Dynamic Environments with TuCSoN Semantic Tuple Centres** (26/03/2010), Talk — Elena Nardini, Mirko Viroli, Emanuele Panzavolta / Elena Nardini

• **Chemical-Inspired Self-Composition of Competing Services** (26/03/2010), Talk — Mirko Viroli, Matteo Casadei / Matteo Casadei

• **Building an Agent Methodology from Fragments: the MEnSA experience** (25/03/2010), Talk — Ambra Molesini / Ambra Molesini

• **Risk Analysis and Deployment Security Issues in a Multi-Agent System** (22/01/2010), Talk — Ambra Molesini / Ambra Molesini

• **Designing and Programming Organisational Infrastructures for Agents situated in Artifact-based Environments** (14/01/2010), PhD Presentation — Michele Pianti / Michele Pianti

• **Agent-based Models, Technologies and Methodologies for the Engineering of Software Systems in the Context of Open Scenarios** (14/01/2010), PhD Presentation — Elena Nardini / Elena Nardini

• **Generic Programming Constructs and Applications in Object-Oriented Languages** (13/01/2010), Seminar — Maurizio Cimadamore / Maurizio Cimadamore

### 2009

• **Towards Semantic Self-Organisation: A Perspective for the Coordination of Complex Systems** (02/12/2009), Invited Talk — Elena Nardini, Andrea Omicini, Mirko Viroli, Matteo Casadei / Andrea Omicini

• **Coordination in Open and Dynamic Environments via TuCSoN Semantic Tuple Centres** (18/11/2009), Seminar — Elena Nardini / Elena Nardini

• **Towards a framework for multi-level modelling in Computational Biology** (14/10/2009), Talk — Sara Montagna / Sara Montagna

• **Un approccio ad agenti per l'ingegnerizzazione di applicazioni SOA/WS** (14/10/2009), Talk — Andrea Santi / Andrea Santi

• **An Agent-Based Modeling Approach for the Exploration of Topologies of Biological Neural Networks** (22/09/2009), Talk — Onder Gurcan / Onder Gurcan
### Talks - Talks per Year

- **Towards Filling the Gap between AOSE Methodologies and Infrastructures: Requirements and Meta-model**
- **Advancing Object-Oriented Standards Toward Agent-Oriented Methodologies: SPEM 2.0 on SODA**
- **Arguments and Artifacts for Dispute Resolution**
- **Model-driven Generation of Graphical Maps for e-Contents**
- **Advancing Object-Oriented Standards Toward Agent-Oriented Methodologies: SPEM 2.0 on SODA**
- **Towards Filling the Gap between AOSE Methodologies and Infrastructures: Requirements and Meta-model**

### 2008

- **Embodiment of a Multi-Agent Work Environment**
- **Exploiting Agent Observability in Multi-Agent System Programming**
- **Programming SOA/WS Systems with BDI Agents and Artifact-Based Environments**
- **Agent Oriented Software Engineering**
- **Towards Filling the Gap between AOSE Methodologies and Infrastructures: Requirements and Meta-model**
- **Advancing Object-Oriented Standards Toward Agent-Oriented Methodologies: SPEM 2.0 on SODA**
- **Towards Filling the Gap between AOSE Methodologies and Infrastructures: Requirements and Meta-model**

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• DA A AD A : Towards a Cognitive Use of Artifacts in MAS  (13/11/2008), Talk — **Alessandro Ricci**, **Michele Pianti** / **Michele Pianti**

• Applying Self-Organizing Coordination to Emergent Tuple Organization in Distributed Networks  (23/10/2008), Talk — **Mirko Viroli**, **Matteo Casadei** / **Matteo Casadei**

• A Conceptual Framework for Collaborative Learning Systems Based on Agent Technologies  (26/09/2008), Talk — **Elena Nardini**, **Andrea Omicini**, **Matteo Casadei** / **Elena Nardini**

• RBAC-MAS & SODA: Experimenting RBAC in AOSE  (25/09/2008), Talk — **Ambra Molesini** / **Ambra Molesini**

• Cognitive Artifacts for Intelligent Agents in MAS: Exploiting Relevant Information Residing in Environments  (17/09/2008), Talk — **Alessandro Ricci**, **Michele Pianti** / **Emiliano Lorini**

• Lineage Commitment of Hematopoietic Stem Cells: An Agent-based Model  (11/09/2008), Talk — **Sara Montagna**, **Andrea Omicini** / **Andrea Roli**

• Adaptive Coordination Models for Pervasive Environments  (07/09/2008), Invited Talk — **Andrea Omicini** / **Andrea Omicini**

• Goal Directed Agents using Artifacts  (04/09/2008), Seminar — **Alessandro Ricci**, **Michele Pianti** / **Michele Pianti**

• A Framework for Collaborative-Learning Systems Based on Agent Technologies  (01/09/2008), Talk — **Elena Nardini**, **Andrea Omicini** / **Elena Nardini**

• ReSpecT: Teaching The Old Dog New Tricks  (04/08/2008), Seminar — **Andrea Omicini** / **Andrea Omicini**

• Environment Programming in MAS: CARTAGO and Friends  (04/08/2008), Talk — **Alessandro Ricci**, **Michele Pianti** / **Alessandro Ricci**

• Experiment with Stochastic Prolog as Simulation Language  (10/07/2008), Talk — **Enrico Oliva** / **Enrico Oliva**

• Future scenarios for web strategies  (03/07/2008), Informal Talk — Luca Garlaschelli, Francesca Mazzaglia / Luca Garlaschelli

• MEEnSA: Résumé of Activities  (30/06/2008), Other Talk — **Ambra Molesini**, **Andrea Omicini** / **Andrea Omicini**

• Case Study in SODA  (30/06/2008), Project Presentation — **Ambra Molesini** / **Ambra Molesini**

• WP4: Case Study — Virtual Laboratory for Protein Structure Prediction  (30/06/2008), Project Presentation — **Sara Montagna** / **Sara Montagna**

• Situating A&A ReSpecT for Pervasive Environment Applications  (24/06/2008), Talk — **Andrea Omicini**, **Matteo Casadei** / **Matteo Casadei**

• Collective Sort and Emergent Patterns of Tuple Distribution in Grid-Like Networks  (24/06/2008), Talk — **Mirko Viroli**, **Matteo Casadei**, **Marco Santarelli** / **Matteo Casadei**

• A Conceptual Framework for Collaborative Learning Systems  (26/05/2008), Project Presentation — **Elena Nardini**, **Andrea Omicini** / **Elena Nardini**

• ReSpecT in the A&A Perspective  (23/05/2008), Internal Talk — **Andrea Omicini**, **Matteo Casadei** / **Matteo Casadei**

• Argumentation and Artifact for Dialogue Support  (12/05/2008), Talk — **Enrico Oliva** / **Enrico Oliva**

• Argumentation and Artifacts for Intelligent Multi-agent Systems  (07/04/2008), PhD Presentation — **Enrico Oliva** / **Enrico Oliva**

• Meta-Models, Environment and Layers: Agent-Oriented Engineering of Complex Systems  (07/04/2008), PhD Presentation — **Ambra Molesini** / **Ambra Molesini**

• Capabilities for Coordination: From Rights to Responsibilities  (27/03/2008), Internal Talk — **Alan Wood** / **Alan Wood**

• SPEM on Test: The SODA Case Study  (19/03/2008), Talk — **Elena Nardini**, **Andrea Omicini** / **Andrea Omicini**

• The Architecture and Design of a Malleable Object-Oriented Prolog Engine  (18/03/2008), Talk — **Andrea Omicini**, **Guglielmo Piancastelli** / **Andrea Omicini**

• Self-Organising Approaches to Coordination  (06/03/2008), Seminar — **Mirko Viroli**, **Matteo Casadei** / **Matteo Casadei**

• Toward a Framework for Collaborative Learning Based on Agent-based Technologies  (03/03/2008), Talk — **Elena Nardini**, **Andrea Omicini**, **Maria Cristina Matteucci** / **Elena Nardini**

• On the Quantitative Analysis of Architectural Stability in Aspectual Decompositions  (19/02/2008), Talk — **Ambra Molesini**, **Alessandro Garcia** / **Alessandro Garcia**

• Web Logic Programming  (31/01/2008), Internal Talk — **Guglielmo Piancastelli** / **Guglielmo Piancastelli**

• MEEnSA: What UNIBO has to do  (22/01/2008), Project Presentation — **Ambra Molesini** / **Ambra Molesini**

• MEEnSA: what UNIBO has done  (21/01/2008), Project Presentation — **Ambra Molesini** / **Ambra Molesini**

• MEEnSA: Résumé of the first year of Activities  (21/01/2008), Project Presentation — **Ambra Molesini** / **Ambra Molesini**

• MEEnSA: Outlook of the 2nd year of Activity  (21/01/2008), Project Presentation — **Andrea Omicini**, **Ambra Molesini** / **Ambra Molesini**

2007

• SPEM on test: the SODA case study  (07/12/2007), Talk — **Elena Nardini**, **Andrea Omicini**, **Ambra Molesini** , **Enrico Denti** / **Elena Nardini**

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Talks - Talks per Year

- Maude: A Language for Concurrent Rewriting (29/11/2007), Seminar — Matteo Casadei / Matteo Casadei
- The Role of Formal Methods in Modeling and Simulating Today's Distributed Software Systems (06/11/2007), PhD Presentation — Matteo Casadei / Matteo Casadei
- From AOSE Methodologies to MAS Infrastructures: The SODA Case Study (24/10/2007), Talk — Andrea Omicini, Ambra Molesini / Andrea Omicini
- Report on Technological tools/Platform usage (22/10/2007), Project Presentation — Marco Fabbri, Elena Nardini, Andrea Omicini / Elena Nardini
- Using Eclipse in Building Model-driven e-Learning Supports (05/10/2007), Talk — Enrico Oliva, Antonio Natali / Enrico Oliva
- Software Architecture (03/10/2007), Internal Talk — Ambra Molesini / Ambra Molesini
- On the Interplay of Crosscutting and MAS-Specific Styles (25/09/2007), Talk — Matteo Casadei, Alessandro Garcia / Alessandro Garcia
- SPEM on test: the SODA case study (21/09/2007), Internal Talk — Elena Nardini, Andrea Omicini, Ambra Molesini, Enrico Denti / Elena Nardini
- A Self-Organizing Approach to Tuple Distribution in Large-scale Tuple-space Systems (12/09/2007), Talk — Mirko Viroli, Matteo Casadei, Ronaldo Menezes, Robert Tolkos / Matteo Casadei
- About my 6 months in Lancaster (27/07/2007), Internal Talk — Ambra Molesini / Ambra Molesini
- Agents & Artifacts: A Meta-Model for Agent-Oriented Computing (23/07/2007), Lecture — Andrea Omicini / Andrea Omicini
- Attività svolte da Elena Nardini (15/06/2007), Internal Talk — Elena Nardini / Elena Nardini
- Matteo Casadei's Research Activity (15/06/2007), Internal Talk — Matteo Casadei / Matteo Casadei
- MEnSA - Methodologies for the Engineering of complex Software system: Agent-based approach (04/06/2007), Project Presentation — Andrea Omicini, Ambra Molesini / Andrea Omicini
- UNIBO: Multi-Agent System Infrastructure (04/06/2007), Project Presentation — Ambra Molesini / Ambra Molesini
- Designing Self-Organizing Multiagent Systems (23/02/2007), Seminar — Matteo Casadei / Matteo Casadei
- Conference Management Case Study (13/02/2007), Talk — Ambra Molesini / Ambra Molesini
- The SODA Methodology (12/02/2007), Seminar — Ambra Molesini / Ambra Molesini

2006

- A Case of Self-Organising Environment for MAS: the Collective Sort Problem (15/12/2006), Talk — Mirko Viroli, Matteo Casadei, Luca Gardelli / Matteo Casadei
- OWL-S for Describing Artifacts (14/12/2006), Talk — Ambra Molesini / Ambra Molesini
- Introduction to Maude rewriting language (23/11/2006), Seminar — Matteo Casadei / Matteo Casadei
- Collective Sorting Tuple Spaces (27/09/2006), Talk — Mirko Viroli, Matteo Casadei, Luca Gardelli / Matteo Casadei
- Engineering the environment of self-organizing multi-agent systems exploiting formal analysis tools (22/09/2006), Talk — Mirko Viroli, Matteo Casadei, Luca Gardelli / Matteo Casadei
- Simulating Emergent Properties of Coordination in Maude: the Collective Sorting Case (31/08/2006), Talk — Mirko Viroli, Matteo Casadei, Luca Gardelli / Matteo Casadei
- Formal ReSpecT in the A&A Perspective (31/08/2006), Talk — Andrea Omicini / Andrea Omicini
- La coordinazione di agenti software (23/04/2006), Seminar — Andrea Omicini / Andrea Omicini

2005

- SODA: A Roadmap to Artefacts (28/10/2005), Talk — Ambra Molesini / Ambra Molesini
- MAS Meta-models on Test: UML vs. OPM in the SODA Case Study (17/09/2005), Talk — Ambra Molesini / Ambra Molesini
- Artefacts in Agent-Oriented Software Engineering (16/09/2005), Talk — Ambra Molesini / Ambra Molesini
- Spaces for Programming Languages in MASs: A Perspective on Coordination, Organisation & Security (15/09/2005), Invited Talk — Andrea Omicini / Andrea Omicini

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• Web Services Choreography and Choreography Description Language WS-CDL (01/09/2005), Seminar — Enrico Oliva / Enrico Oliva
• A Framework for Engineering Interactions in Java-based Component Systems (28/08/2005), Talk — Enrico Oliva / Enrico Oliva
• Zooming Multi-Agent Systems (26/07/2005), Talk — Ambra Molesini / Ambra Molesini
• Field-based Coordination (29/04/2005), Lecture — Franco Zambonelli, Marco Mamei / Franco Zambonelli, Marco Mamei
• Agens Faber: Toward A Theory of Artifacts for MAS (23/04/2005), Invited Talk — Andrea Omicini / Andrea Omicini
• Trends & Experiences in MAS Infrastructures (22/04/2005), Seminar — Andrea Omicini / Andrea Omicini

2004

• A Conceptual Framework for Self-Organising MAS (16/12/2004), Talk — Alessandro Ricci, Andrea Omicini, Mirko Viroli, Cristiano Castelfranchi, Luca Tummolini / Alessandro Ricci, Andrea Omicini, Mirko Viroli, Cristiano Castelfranchi, Luca Tummolini
• Creatività tecnica come obbiettivo didattico (18/11/2004), Invited Talk — Andrea Omicini / Andrea Omicini
• Trends & Experiences in MAS Infrastructures (15/07/2004), Seminar — Andrea Omicini / Andrea Omicini
• Framing Coordination: From Transdisciplinary Models to Infrastructures and Tools for MAS Engineering (07/07/2004), Lecture — Alessandro Ricci, Andrea Omicini / Andrea Omicini
• Trends in MAS Infrastructures (30/06/2004), Invited Talk — Andrea Omicini / Andrea Omicini
• Sistemi ad agenti intelligenti (11/05/2004), Seminar — Andrea Omicini / Andrea Omicini

2003

• Towards Seamless Agent Middleware (19/12/2003), Talk — Andrea Omicini, Giovanni Rimassa / Andrea Omicini
• Integrating Objective & Subjective Coordination: A Roadmap to TuCSoN (19/12/2003), Talk — Alessandro Ricci, Andrea Omicini, Mirko Viroli, Giovanni Rimassa / Andrea Omicini
• Formal Specification and Enactment of Security Policies through Agent Coordination Contexts (19/12/2003), Talk — Alessandro Ricci, Andrea Omicini, Mirko Viroli / Andrea Omicini
• Rethinking MAS Infrastructure based on Activity Theory (18/12/2003), Talk — Alessandro Ricci, Andrea Omicini, Sascha Ossowski / Andrea Omicini
• Framing Coordination: From Transdisciplinary Models to Infrastructures and Tools for MAS Engineering (14/07/2003), Tutorial — Alessandro Ricci, Andrea Omicini / Alessandro Ricci, Andrea Omicini
• Framing Coordination: Early Notes (03/02/2003), Invited Talk — Alessandro Ricci, Andrea Omicini / Alessandro Ricci, Andrea Omicini

2002

• Declarative Technologies for Internet and Agent Systems (25/10/2002), Talk — Andrea Omicini / Andrea Omicini
• Agents and Automatic Web Services (26/09/2002), Invited Talk — Andrea Omicini / Andrea Omicini
• Social Issues in the Construction of Agent Systems (14/07/2002), Tutorial — Andrea Omicini / Andrea Omicini
• Social Issues in the Construction of Agent Systems (14/07/2002), Other Talk — Andrea Omicini / Andrea Omicini
• Imprese e ICT: problematiche e opportunità (03/07/2002), Invited Talk — Andrea Omicini / Andrea Omicini

2001

• On the Notion of Agent Coordination Context (14/12/2001), Invited Talk — Andrea Omicini / Alessandro Ricci, Andrea Omicini
• Context and C3 (Communication, Coordination and Cooperation) (05/12/2001), Invited Talk — Andrea Omicini / Andrea Omicini
• On the Notion of Agent Coordination Context: Preliminary Notes (05/09/2001), Talk — Andrea Omicini / Andrea Omicini
• Objective versus Subjective Coordination in the Engineering of Agent Systems (09/07/2001), Invited Talk — Andrea Omicini, Sascha Ossowski / Andrea Omicini, Sascha Ossowski
Talks - Talks per Year

- **Engineering Internet Agents Applications via Coordination** (28/05/2001), Tutorial — Andrea Omicini, Franco Zambonelli / Andrea Omicini, Franco Zambonelli
- **Coordination Services for Agent Infrastructures** (22/02/2001), Invited Talk — Andrea Omicini / Andrea Omicini
- **Coordination Technologies for Internet Agents** (08/01/2001), Tutorial — Andrea Omicini, Franco Zambonelli / Andrea Omicini, Franco Zambonelli

2000

- **Coordination Technologies for Internet Agents** (13/09/2000), Tutorial — Andrea Omicini, Franco Zambonelli
- **Coordination Technologies for Internet Agents** (03/06/2000), Tutorial — Andrea Omicini, Franco Zambonelli / Andrea Omicini, Franco Zambonelli

1999

- **Coordination Technologies for Internet Agents** (03/10/1999), Tutorial — Andrea Omicini, Paolo Ciancarini, Franco Zambonelli / Andrea Omicini, Paolo Ciancarini, Franco Zambonelli
- **Coordinazione: Ingegneria dell'interazione** (19/05/1999), Informal Talk — Andrea Omicini / Andrea Omicini

1998

- **Coordinazione: Ingegneria dell'interazione** (03/06/1998), Informal Talk — Andrea Omicini / Andrea Omicini
- **Beyond Computation: Coordination — Managing the Complexity of Interaction** (20/01/1998), Seminar — Andrea Omicini / Andrea Omicini
- **Embedding Intelligence into Coordination: The ACLT Model** (20/01/1998), Seminar — Andrea Omicini / Andrea Omicini

1996

- **Coordination: Constraining the Space of Interaction** (08/12/1996), Seminar — Andrea Omicini / Andrea Omicini
- **Constraint Logic Programming** (23/01/1996), Seminar — Andrea Omicini / Andrea Omicini

1993

- **Il prototipo APPEAL** (13/06/1993), Project Presentation — Andrea Omicini, Antonio Natali, Cristina Raggieri / Andrea Omicini, Antonio Natali

1992

- **Implementing Contexts in Logic Programming** (26/02/1992), Talk — Andrea Omicini, Antonio Natali, Enrico Denti, Paola Mello, Evelina Lamma / Andrea Omicini