

Monday, 15 June 2026

Day	Hour	Session	Chair	ID	Title	Authors/Presenter
DAY 1	08:30–09:00	Registration			Registration	
	09:00–09:30	Welcome	Lidia Fotia		Welcome	
	09:30–10:30	Keynote	Lidia Fotia		Generative Digital Twins: Principles, Architecture, Methodology, and Applications	Giancarlo Fortino
	10:30–11:00	Coffee break			Coffee break	
	11:00–12:30	Session 1 — Agent-Based Modeling and Social Simulation	Viviana Mascardi	11	A Methodological Exploration of Rule-Based and MLP-Based Agents in Agent-Based Modeling	Lorenzo Gastaldo, Federico Carucci, Leonardo Mascagni and Francesco Bertolotti
				1	Trinity: A Situation-Aware Multi-Agent Framework for AI-Driven Data Journalism	Adriano Biondi, Diego Borrelli, Federica Buono, Vincenzo Cimmelli, Giuseppe D'Aniello, Riccardo Di Dato, Roberto Falcone , Lidia Fotia, Rosario Gaeta , Lorenzo Muscariello and Debora Sarno
				44	Regime Mapping and Parameter Importance in Stochastic ABM of Behavioral Sink	Federico Carucci , Leonardo Mascagni, Lorenzo Gastaldo, Luca Moroni and Francesco Bertolotti
				57	Measuring the Emergence of Urban Cohesion in Early Settlements: A Spatial Agent-Based Model	Luca Pasquino , Niccolò Kadera and Francesco Bertolotti
				9	Emergent Kin-Based Behavior in LLM Artificial Societies: the Case of Sugarscape	Luca Moroni , Matteo Prefumo, Samuele Astuti, Leonardo Mascagni and Francesco Bertolotti
				60	Hagrid: A Modular AI Pipeline for Cookieless User Profiling in Digital Publishing	Luca Aliberti, Francesco Apicella, Martina Buttarelli, Luca Carrubbo, Camilla Murati and Davide Perfetto
				58	Adaptive Cooperation under Flood Risk: An Agent-Based Analysis of Informational Nudging	Alessandro Sapienza and Rino Falcone
	12:30–14:00	Lunch break			Lunch break	
	14:00–14:30	Special Short Session 2 — Already Published / Non-original Contributions	Alessandro Sapienza	4	Integrating JaCa-Unity in VEsNA for Behavioural Realistic VR Simulations	Daniela Briola , Giuseppe Vizzari, Giuseppe Mirra, Andrea Gatti, Matteo Martini and Viviana Mascardi
				10	Testing BDI-based multi-agent systems using discrete event simulation	Martina Baiardi, Samuele Burattini, Giovanni Ciatto and Danilo Pianini
				13	Robust Communication through Collective Adaptive Relay Schemes for Maritime Vessels	Martina Baiardi , Danilo Pianini, Ghassan Al-Falouji and Sven Tomforde
				16	A Self-Stabilizing Min-Max Consensus via Path-loop Detection	Angela Cortecchia, Danilo Pianini and Mirko Viroli
				17	FieldVMC: an asynchronous model and platform for self-organising morphogenesis of artificial structures	Angela Cortecchia , Giovanni Ciatto, Roberto Casadei and Danilo Pianini
				46	AGE-ML: A Data-Centric, Specification-Driven Architecture for Agentic AutoML	Mattia Matteini , Matteo Magnini, Matteo Francia, Giovanni Ciatto and Andrea Omicini
	14:30–15:45	Session 3 — LLM-based MAS and Agentic AI	Daniela Briola	6	Strategic Amnesia in LLM Agents playing the Iterated Prisoner's Dilemma	Andrea Monoli , Francesco Bertolotti, Sofia Sciangula, Mauro Mezzenzana and Giacomo Buonanno
				14	Evaluating the Sensitivity of ABMs to Agents' Decision Functions	Andrea Agosta, Sofia Sciangula , Federico Carucci and Francesco Bertolotti
				7	Memory Design in LLM-based Multi-Agent Agenda Assistants: A Comparative Study	Elia Capiluppi, Angelo Ferrando, Vadim Malvone and Vladana Perlic
				12	Modeling Multi-Agent LLM Debates Through Damped Ordinary Differential Equations	Leonardo Mascagni , Andrea Agosta, Mauro Mezzenzana, Giacomo Buonanno and Francesco Bertolotti
				24	Evolutionary System Prompt Optimization for LLM: Application to an Agent-Based Market Simulation	Francesco Bertolotti and Ossama Zaroual
				48	Beyond Accuracy: A Qualitative Error Analysis of SLM Agents in Multi-Hop QA	Marcello Pelosi , Alessandra Amato, Rajib Chandra Ghosh and Egidia Cirillo
	15:45–16:15	Coffee break			Coffee break	
	16:15–17:15	Session 4 — NLP, RAG and Conversational Systems	Rosario Gaeta	30	A Kinetic Analysis of the Impact of Message Loss in a Residual Gossip Protocol	Simone Dallospedale , Federico Bergenti and Stefania Monica
				40	From Unstructured Heritage Texts to Validated Knowledge Graphs: A NLP-Ontology-LLM Pipeline with Ground-Truth-Free Evaluation	Fabio Clarizia, Massimo De Santo, Pasquale Esposito, Rocco Loffredo and Benedetta Sabini
				47	Accelerating Constructed Language Design: A Method for LLM-Assisted Conlanging	Matteo Cristani and Chiara Melloni
				41	Beyond Anachronism: A RAG-Based Framework for Historically Consistent Conversational Agents	Fabio Clarizia, Pasquale Esposito, Annarita Giunto and Rocco Loffredo
				26	MIRAGE: A Multi-Agent, Multi-RAG Architecture for Metaphor-Driven Advertising Narratives and Commercial Video Generation	Antonio Lieto and Anjali Sheha Kujur
	17:15–17:45	WOA Steering Committee and Community Meeting			WOA Steering Committee and Community Meeting	

Tuesday, 16 June 2026

Day	Hour	Session	Chair	ID	Title	Authors/Presenter
DAY 2	08:30–09:00	Registration			Registration	
	09:00–10:00	Keynote	Viviana Mascardi		Situation Awareness for Smarter Agents	Giuseppe D'Aniello
	10:00–10:30	Coffee break			Coffee break	
	10:30–11:30	Session 5 — Formal Methods, Logic and MAS Theory	Vadim Malvone	8	Bridging the Gap: An Executable Simulator for the L-DINF Epistemic Logic of Cooperative Agents	Valentina Pitoni, Stefania Costantini and Lorenzo De Lauretis
				37	A Formal Theory of Orders in Complex Organizations: A Defeasible Deontic Approach	Matteo Cristani
				59	Defining the Saliency of Agent Perceptions in CATALINA	Massimo Cossentino , Giovanni Pilato and Guido Aversa
				28	Abstracting a Multi-Agent Framework for Next-Generation Educational Systems	Sirine Bouguettaya , Ouadra Zedadra, Amina Zedadra and Giancarlo Fortino
				33	RAVEN: Extending VEsNA with Region-Agnostic Reinforcement Learning for Interpretable BDI Navigation	Zahra Daoui , Andrea Gatti, Angelo Ferrando and Viviana Mascardi
	11:30–12:30	Session 6 — Trustworthy, Neuro-Symbolic and Cognitive Agents	Angelo Ferrando	15	Towards verifiable and trustworthy AI agents combining LLMs and classical agency	Silvia Di Giulio , Luigi Troiano, Massimo Bertolotti and Genoveffa Tortora
				25	DALI2: Evolving a Logic-Based Agent Metainterpreter Towards Neuro-Symbolic Multi-Agent Systems	Lorenzo De Lauretis , Giovanni De Gasperis and Stefania Costantini
				42	Trustworthy Multi-Agent Code Generation with Execution-Based Validation	Nicola Capuano, Alberto Marmo, Pierluigi Ritrovato and Raffaele Solimeno
				43	Cognitive and Affective Trust in Human–Robot Interaction: Effects on Task Delegation	Filippo Cantucci , Marco Marini and Rino Falcone
				50	Trustworthy Neuro-Symbolic Agents in Manufacturing: Bridging CAD and RAPID through Local LLMs and Multi-Agent Orchestration	Alessandro Venaruzzo and Matteo Cristani
	12:30–14:00	Lunch break			Lunch break	
	14:00–15:00	Session 7 —Applied AI and Multi-Agent Systems for Real-World Challenges	Massimo Cossentino	45	Resilient Multi-Agent Systems for Environmental Monitoring	Egidia Cirillo , Alessandra Amato, Alberto Moccardi and Marcello Pelosi
				38	DangeRoads: Analysis of Road Accident News Articles in the Province of Parma	Michele Tomaiuolo, Gianfranco Lombardo , Elena Azzi, Marcello Brianti, Doina Cauliuc and Federico Filice
				31	Prototype of a Conversational Agent for the Management of Recruitment Processes in the Public Sector	Gloria Tamboroni , Federico Bergenti and Stefania Monica
				49	Decomposing the Task: A Framework for Static and Dynamic Decomposition in Multi-Agent Systems of Small Language Models	Pasquale Miranda, Walter Balzano and Alberto Moccardi
				54	Enhancing VLM Perception Through Adaptive Super-Resolution: A Multi-Agent Feedback Approach	Rajib Chandra Ghosh , Egidia Cirillo, Alberto Moccardi and Marcello Pelosi
	15:00–16:00	Session 8 — Perception, Reasoning and Intelligent Systems	Danilo Pianini	56	Diagnostic-Driven Selective Abstention in Agentic Pipelines: A Case Study on AVeriTeC Dataset	Alberto Moccardi , Alessandra Amato, Rajib Chandra Ghosh and Egidia Cirillo
				5	A Multi-Agent System Architecture for Smart Pastoralism 4.0: Coordinating Robotic Shepherds, Drones, and IoT-Enabled Livestock	Lorenzo De Lauretis and Tiziano Lombardi
				36	From Words to Meters: Eliciting Metric Spatial Knowledge in Vision-Language Models for Agent Perception	Gianfranco Lombardo , Andrea Schianchi, Giuseppe Trimigno, Michele Tomaiuolo and Agostino Poggi
				52	From Black-Box to Physics-Aware Cognitive Agents: A Robust XAI Framework for Predictive Maintenance	Alessandro Del Prete , Zahida Mashaallah and Flora Amato
				2	Emerging Trends in Multi-Agent Systems from an Evolutionary Perspective	Paolo Pagliuca
	16:00–16:30	Coffee break			Coffee break	
	16:30–17:30	Session 9 — Agent Platforms, Middleware and Distributed Architectures	Giovanni Ciatto	39	The software Architecture of FMOS: a Formal model enabled Multi agent Operating System for distributed real-time Agentic applications in IoT	Francesco Moscato and Flora Amato
				51	Engineering Information Protocols into Multi-Agent Platforms: a JADE-based Realization	Cristina Baroglio, Matteo Baldoni , Elisa Marengo, Roberto Micalizio and Stefano Tedeschi
				29	Dynamic Team Formation for Mobile Edge Computing in IoT-Enabled Vehicular Networks	Fabrizio Messina, Domenico Rosaci and Giuseppe M. L. Sarne'
				27	When Multi-Agent Systems Meet Digital Twin	Rubino Pasquale , Sirine Bouguettaya, Vincenzo Barbuto, Claudio Savaglio and Giancarlo Fortino
				53	A Symbolic Decision Framework for Multi-Agent 3D Simulation	Corrado Santoro and Federico Fausto Santoro
	17:30–18:00	Goodbye	Valentina Pitoni		Goodbye	
	20:00	Social Dinner			Social Dinner @Don Antonio	

Wednesday, 17 June 2026 - Mini School

Day	Hour	Session	Chair	Title	Authors/Presenter
Day 3	08:30–09:00	Registration		Registration	
	09:00–10:00	Lecture 1		Making Data AI-Ready: why better data outperforms bigger models	Antonio Liotta
	10:00-10:45	Lecture 2			Domenico Lofù/Paolo Sorino
	10:45–11:00	Coffee break		Coffee break	
	11:00–12:00	Lecture 3		Artificial Intelligence in Education	Sergio Miranda
	12:00-13:00	Lecture 4		Hybrid threats in Digital Cultural Heritage	Emanuele Bellini