

Wednesday, 9 September

Sala Gerace

08:30-09:00 Social **Registration****09:00-09:30** Social **Opening and Welcome****09:30-10:30** Keynote **Unmanned shipping in Italy: a technical insight****10:30-11:00** Break **Coffee Break****11:00-13:00** Paper **Session 1 - Systems Infrastructure, Evaluation and Resource Efficiency****11:00-11:30****COUBES: Towards Universal Benchmarking of Container Orchestration Schedulers**

Florin-Vladimir Stancu, Karim Djemame, Faiza Shirazi

11:30-12:00**OverlaySys: Easing Development Cost for Interposing Systems**

Jihong Min, Jorn Altmann, Bernhard Egger

12:00-12:30**HostPIMSim: A High-Productivity Framework for Host-Side Processing-in-Memory Simulation**

Jihong Min, Bernhard Egger

12:30-13:00**CONMAN: Mitigating Shared Memory Interference to Maximize Cloud Host Utilization**

Junsung Yook, Bernhard Egger, Jorn Altmann

13:00-14:00 Break **Lunch****14:00-15:30** Paper **Session 2 - Modelling, Verification and Distributed-System Behaviour****14:00-14:30****A Formal Framework for the Verification, Validation, and Simulation of Distributed Systems through**

Jose Angel Bañares

14:30-15:00**Tail-Sensitive Distributed Ordering under Subexponential Network Delays**

Alexandru-Ioan Stan, Cristian Sorin Bologa, Gheorghe Cosmin Silaghi

15:00-15:30**Statistical Methods within Network Neutrality Monitoring Tools**

Nada Dandachi, Patrick Maillé, Bruno Tuffin

15:30-16:00 Break **Coffee Break**

Wednesday, 9 September (cont.)

Sala Gerace

16:00-18:00

Tutorial

Energy-Aware Serverless Orchestration on the Edge-Cloud Continuum

Prof. Karim Djemame (*University of Leeds, UK*)

Thursday, 10 September

Sala Gerace

08:30-09:00 Social **Registration****09:00-09:30** Keynote **The State of AI adoption in the Corporate World****09:30-11:00** Paper **Session 3 - Cloud Resource Management and Economics****09:30-10:00****Squeeze to Fit: Online Moldable Interval Scheduling for the Cloud**

Georgios Diamantopoulos, Panagiotis Oikonomou, Efstratios Archontis, Panagiotis Roumelis, Thanasis Loukopoulou, Samee

10:00-10:30**Cost-Aware Predictive Planning for Decentralized Serverless Workflow Execution**

Diogo Jesus, Luis Veiga

10:30-11:00**A Double Auction Mechanism for FaaS Scheduling in the Cloud Continuum**

José Simão, Manuel Domingues, Luis Veiga

11:00-11:30 Break **Coffee Break****11:30-13:00** Paper **Session 4 - Control Planes, Orchestration and Cloud-Native Operations****11:30-12:00****Stochastic AI Orchestration for Neural Semantic-Aware Mobile Edge Inference**

Samuel Romero Fortin, Jörn Altmann, Bernhard Egger

12:00-12:30**AI Sprawl as a Control-Plane Problem: A Rule-Based Perspective**

Jacopo Massa, Mariarita Pierotti, Patrizio Dazzi

12:30-13:00**Kubernetes Provisions: A GitOps-Driven Framework for Merge-Request Preview Environments**

Hussein Dennis, Karim Djemame

13:00-14:00 Break **Lunch****14:00-15:00** European projects **European Projects Track****14:00-14:30****Trustworthy Visual Quality Inspection under Data Scarcity in Manufacturing**

Panagiotis Sapoutzoglou, Jessy Ribaira, Martin Kanounnikof, Bas Tijssma, Christian Geiß, Maria Pateraki

14:30-15:00**TURING: Towards Robust Foundation Models and Platform Services for Complex Physical Systems**

Ioannis Kontopoulos, Milos Savic, Dusan Jakovetic, Jelena Topić Božić, Maria Pateraki, Konstantinos Tserpes

Thursday, 10 September (cont.)

Sala Gerace

15:00-15:30 Break Coffee Break**16:30-18:00** Social Visit to the Walls of Pisa**20:00** Social Social Dinner

Friday, 11 September

Sala Gerace

09:00-10:30 **Tutorial** **An Agentic Blueprint for Scientific Research**
Prof. Patrizio Dazzi (*University of Pisa, Italy*)
Dr. Alessandro Berti (*University of Pisa, Italy*)

10:30-11:00 **Posters** **Poster Lightning Talks**

11:00-11:30 **Break** **Coffee Break and Poster Session**

11:30-13:00 **Paper** **Session 5 - Governance, Trust and Digital Ecosystems**

11:30-12:00**Enabling Trustworthy Metaverse Applications Through Formal Modelling and Verification**

Maryam Amin, Umara Zahid, Zahid Rashid, Jorn Altmann

12:00-12:30**Design of Lifecycle-oriented Digital Product Passports for Circular ICT Goods**

Javier Cano-Esteban, Thomas Rusiecki, Pedro Vilchez, Felix Freitag, Viola Gallina, Arko Steinwender, Leandro Navarro

12:30-13:00**Uncovering the Hidden Market of Telegram Usernames: The Case of the Fragment Marketplace**

Francesco Maggio, Andrea Michienzi, Barbara Guidi

13:00-14:00 **Break** **Farewell Lunch**

14:00-14:30 **Social** **Closing Session**