



## December 4, 2023

Time (GMT+1)	Program	Room 1 - Aragonese	Room 2 - Normanna
8.00 - 9.15	Registration		
9.15 - 9.30	Welcome		
9.30 - 10.30	Paper Session	Bridging the Chasm Between Ideal and Realistic Federated Learning: A Measurements Study - <i>Hend Gedawy, Khaled Harras, Temoor Tanveer and Thang Bui</i>	Depot: Dependency-Eager Platform of Transformations - <i>Kerem Celik, Samridhi Maheshwari, Shereen Elsayed, Markus Mock, Chandra Krintz and Rich Wolski</i>
		SAGE - A Tool for Optimal Deployments in Kubernetes Clusters - <i>Vlad-Ioan Luca and Madalina Erascu</i>	Experimental analysis of microservices architectures for hosting cloud-based Massive Multiplayer Online Role-Playing Game (MMORPG) - <i>Marlon Schweigert, Diego Oliveira, Charles Miers, Guilherme Koslovski and Mauricio Pillon</i>
10.30 - 11.00	Coffee Break		
11.00 - 12.30	Paper Session	GSLAC: GPU Software Level Access Control for Information Isolation on Cloud Platforms - <i>Chia Chang Li, Po Cheng Wu and Che Rung Lee (ONLINE)</i>	Introducing TinyKVM for High-Performance CDN Edge Services - <i>Alf-Andre Walla and Paal Engelstad</i>
		A Lightweight Routing Layer Using a Reliable Link-Layer Protocol - <i>Qianfeng Shen and Paul Chow</i>	Energy-Aware Streaming Analytics Job Scheduling for Edge Computing - <i>Demetris Trihinas, Moysis Symeonides, Joanna Georgiou, George Pallis and Marios Dikaiakos</i>
		MScheduler: Leveraging Spot Instances for High-Performance Reservoir Simulation in the Cloud - <i>Felipe Portella, Paulo Estrela, Renzo Malini, Luan Teylo, Josep Berral and Lúcia Drummond</i>	Energy-Efficient Offloading in Edge Slicing with Non-Linear Power Functions - <i>Jiahe Xu, Jing Fu, Jingjin Wu and Moshe Zukerman</i>
12.30 - 14.00	Lunch break		
14.00 - 15.30	Paper Session	Can Software Containerisation Fit The Car OnBoard Systems ? - <i>David Fernandez Blanco, Frédéric Le Mouél, Trista Lin and Amir Rekik</i>	A Load Balancing Algorithm For Long-Life Green Edge Systems - <i>Roberto Beraldi and Gabriele Proietti Mattia</i>
		Enhanced Runtime-Adaptable Routing for Serverless Functions based on Performance and Cost Tradeoffs in Hybrid Cloud Settings - <i>Georgios Fatouros, George Kousiouris, Georgios Makridis, John Soldatos, Michael Filippakis and Dimosthenis Kyriazis (ONLINE)</i>	Peer-to-Peer Approach for Edge Computing Services - <i>Muhammad Anjum Malik, Stephan Recker and Tobias Pleuger</i>
		PuppetStack: A tool for deploying high-availability private cloud infrastructure - <i>Fabrizio Messina, Miriana Russo, Corrado Santoro, Federico Fausto Santoro and Salvatore Riccobene</i>	Traditional vs Federated Learning with Deep Autoencoders: a Study in IoT Intrusion Detection - <i>Marta Catillo, Antonio Pecchia and Umberto Villano</i>
15.30 - 15.50	Coffee Break		
15.50 - 17.20	Tutorial - GoDaddy Data & Analytics (DnA) and Journey to the Cloud		



## December 5, 2023

Time (GMT+1)	Program	Room 1 - Aragonese	Room 2 - Normanna
9.30 - 10.30	Keynote - Federated Enterprises Resources - Infrastructure and Workflow managed by OpenIaC		
10.30 - 11.00	Coffee Break		
11.00 - 12.30	Paper session	HCoop: A Cooperative and Hybrid Resource Scheduling for Heterogeneous Jobs in Clouds - Jinwei Liu, Rui Gong, Wei Dai, Wei Zheng, Ying Mao and Wei Zhou ( <a href="#">ONLINE</a> )	A Flexible Trust Manager for Remote Attestation in Heterogeneous Critical Infrastructures - Yu Liu and Aitor Hernandez Herranz
		OSμS: An Open-Source Microservice Prototyping Platform - Lamees Al Qassem, Thanos Stouraitis, Ernesto Damiani and Ibrahim Elfadel ( <a href="#">ONLINE</a> )	Lightweight Cloud Application Sandboxing - Marco Abbadini, Michele Beretta, Dario Facchinetti, Gianluca Oldani, Matthew Rossi and Stefano Paraboschi
		Inverse Response Time Ratio Scheduler: Optimizing Throughput and Response Time for Serverless Computing - Mina Morcos and Ibrahim Matta ( <a href="#">ONLINE</a> )	Triad: Trusted Timestamps in Untrusted Environments - Gabriel Fernandez, Andrey Brito and Christof Fetzer
12.30 - 14.00	Lunch break		
14.00 - 15.30	Paper session	Performance analysis of the Raft consensus algorithm on Hyperledger Fabric and Ethereum on cloud - João H. F. Battisti, Vitor E. Batista, Guilherme P. Koslovski, Mauricio A. Pillon, Charles C. Miers, Marco A. Marques, Marcos A. Simplicio Jr. and Diego Kreutz	The Flaw Within: Identifying CVSS Score Discrepancies in the NVD - Siqi Zhang, Minjie Cai, Mengyuan Zhang, Lianying Zhao and Xavier de Carné de Carnavalet
		Enabling 5G QoS configuration capabilities for IoT applications on container orchestration platform - Yu Liu and Aitor Hernandez Herranz	Decentralised Authentication in Microservice Architectures with SSI and DID in Blockchain - Biagio Boi and Christian Esposito
		Cost-optimized scheduling for Microservices in Kubernetes - Sugunakumar Arunan, Gayashan Amarasinghe and Indika Perera	Enabling Trusted TEE-as-a-Service Models with Privacy Preserving Automotons - Matt Ficke, Arne Hollum, Giovanni Mazzeo, Bala Subramanyan and Darshan Vaydia
15.30 - 15.50	Coffee Break		
15.50 - 17.20	Paper session	Increasing Robustness of Blockchain Peer-to-Peer Networks with Alternative Peer Initialization - Bernadet Klein Wassink and Zhiming Zhao	CloudScent: a model for code smell analysis in open-source cloud - Asif Imran, Raj Shah, Sameer Ahmed Mohamed and Tevfik Kosar ( <a href="#">ONLINE</a> )
		Decoding NFT Market Dynamics with Data - Smruti Inamdar and Zhiming Zhao	Recommendation engine for optimal Spark delta tables partitioning - Rui Esteves, Håvard Jacobsen and Ola Flotve
		Flexible and Secure Code Deployment in Federated Learning using Large Language Models: Prompt Engineering to Enhance Malicious Code Detection - Jungwon Seo, Nan Zhang and Chunming Rong	Undoing CRDT Operations Automatically - Provakar Mondal and Eli Tilevich ( <a href="#">ONLINE</a> )
			Addressing Serverless Computing Vendor Lock-In through Cloud Service Abstraction - Di Mo, Robert Cordingly, Donald Chinn and Wes Lloyd
19.30	Social Dinner – Ristorante La Bersagliera		



## December 6, 2023

Time (GMT+1)	Program	Room 1 - Aragonese	Room 2 - Normanna
9.00 - 10.30	Paper Session	Welcome from Workshop chair	Enhancing Mobile Privacy and Security: A Face Skin Patch-Based Anti-Spoofing Approach - <i>Qiushi Guo, Shisha Liao and Yifan Chen</i> (ONLINE)
		Workshop Keynote - Toward the deployment of Secure IoT Systems over the Cloud Continuum	A Blockchain-based Online Trading Platform: TrustTrade - <i>Guang Yang, Lorena-Alina Alexandru and Marius Storheim</i> (ONLINE)
		An Evaluation of Transformer Models for Early Intrusion Detection - <i>Md Mahbub Islam, Tanwir Ahmad and Dragos Truscan.</i>	Semi-Automatic PenTest Methodology based on Threat-Model: The IoT Brick Case Study - <i>Gennaro Pio Rimoli, Daniele Granata and Massimo Ficco</i>
10.30 - 11.00	Coffee Break		
11.00 - 12.30	Paper Session	Ensuring End-to-End Security in Computing Continuum Exploiting Physical Unclonable Functions - <i>Daniele Lombardi, Mario Barbareschi and Valentina Casola.</i>	
		Testing techniques to assess impact and cascading effects - <i>Valeria Valdés Ríos, Ana Rosa Cavalli, Fatiha Zaidi and Wissam Mallouli.</i>	
		Towards trustworthy AI: Security risk assessment methodology for Artificial Intelligence systems - <i>Eider Iturbe, Erkuden Rios and Nerea Toledo.</i> (ONLINE)	
		Towards Smarter Security Orchestration and Automatic Response for CPS and IoT - <i>Phu Nguyen, Rustem Dautov, Hui Song, Angel Rego, Eider Iturbe, Erkuden Rios, Diego Sagasti, Gonzalo Nicolas, Valeria Valdés, Wissam Mallouli, Ana Cavalli and Nicolas Ferry.</i>	
12.30 - 14.00	Lunch break		
14.00 - 15.30	Paper Session	Design and Implementation of Web3-Based E-Commerce Cryptocurrency Payment System - <i>Seungseok Lee and Sangjoon Lee.</i>	
		Surveying Cyber Threat Intelligence and Collaboration: A Concise Analysis of Current Landscape and Trends - Panagiotis Radoglou-Grammatikis, Elisavet Kioseoglou, Dimitrios Asimopoulos, Miltiadis Siavvas, Ioannis Nanos, Thomas Lagkas, Vasileios Argyriou, Konstantinos Psannis, Sotirios Goudos and Panagiotis Sarigiannidis.	
		Detecting Security Requirements in GitHub Issues - <i>Polina Minina, Andrey Sadovykh and Vladimir Ivanov.</i>	
		Software Bill of Materials in Critical Infrastructure - <i>Lars Andreassen Jaatun, Silje Marie Sørlien, Ravishankar Borgaonkar, Steve Taylor and Martin Gilje Jaatun.</i>	