

TUESDAY - OCTOBER 24, 2023

09:00 - 09:20		On-site registration	
09:20 - 09:30		Opening	
09:30 - 11:00	long	μXL: Explainable Lead Generation with Microservices and Hypothetical Answers	
Session 1: Microservices		Lufs Cruz-Filipe, Sofia Kostopoulou, Fabrizio Montesi and Jonas Vistrup	
Room: Venus	long	One Microservice per Developer: Is This the Trend?	
Chair: A. Samir		Dario Amoroso d'Aragona, Xiaozhou Li , Tomas Cerny, Andrea Janes, Valentina Lenarduzzi and Davide Taibi	
	long	End-to-End Test Coverage Metrics in Microservice Systems: An Automated Approach	
		Amr Elsayed, Tomas Cerny , Jorge Yero Salazar, Austin Lehman, Joshua Hunter, Ashley Bickham and Davide Taibi	
11:00 - 11:30		Coffee Break	
11:30 - 13:00	long	Time-aware Web Service QoS Prediction in Collaborative Filtering Methods: A Literature Review ONLINE	
Session 2: QoS		Ezdehar Jawabreh and Adel Taweel	
Room: Venus	long	Enhanced Time-Aware Collaborative Filtering Method for QoS Web Service Prediction ONLINE	
Chair: T. Cerny		Ezdehar Jawabreh and Adel Taweel	
	long	Comparison of performance and costs of CaaS and RDBaaS services	
		Piotr Karwaczynski, Mariusz Wasielewski and Jan Kwiatkowski	
13:00 - 14:00		Lunch Break	
14:00 - 15:00		Keynote	
Room: Venus		Data Stream Processing at the Edge	
Chair: G. A. Papadopoulos		George Pallis	
15:00 - 15:30		Coffee Break	

15:30 - 17:00	short	A Taxonomy for Workload Deployment Orchestration in the Edge-Cloud Continuum Toon Albers , Mattia Fogli, Edwin Harmsma, Elena Lazovik and Harrie Bastiaansen
Session 3: Short papers		
Room: Venus	short	Intent-based AI-enhanced Service Orchestration for application deployment and execution in the Cloud Continuum Efthymios Chondrogiannis , Efstathios Karanastasis, Vassiliki Andronikou, Adrian Spataru, Anastassios Nanes, Aristotelis Kretsis and Panagiotis Kokkinos
Chair: X. Li		
	short	Optimizing the Cost-Performance Ratio of FaaS Deployments Richard Patsch and Karl Michael Goschka
	short	The Microservice Dependency Matrix Amr Elsayed and Tomas Cerny
17:15 - 23:00	Tour & Conference Dinner	



WEDNESDAY - OCTOBER 25, 2023

09:00 - 09:30

On-site registration

09:30 10:30

Room: Venus

Chair: J.Soldani

Keynote

Towards a Hybrid Cloud & Edge Orchestrator for Mining Exascale Distributed Streams

Herodotos Herodotou

10:30 - 11:00

Coffee Break

11:00 - 12:30

long

Horizontal Scaling of Transaction-Creating Machines for Blockchains

Ole Delzer, Inge Weber, Richard Habeck and **Stefan Schulte**

Session 4:
Service
orchestration

long

Uncovering Effective Roles and Tasks for Fog Systems

Maximilian Blume, Sebastian Lins and Ali Sunyaev

Room: Venus

long

Cooperative Virtual Machine Placement

Jose Quenum and Samir Aknine

Chair: A. Makris

12:30 - 13:30

Lunch Break

13:30 - 15:00

long

A Multi-pronged Self-Adaptive Controller for Analyzing Misconfigurations for Kubernetes Clusters and IoT Edge Devices

Areeg Samir, Abdo Al-Wosabi, Mohsin Khan and Havard Dagenborg

Session 5: Edge
computing

Room: Venus

long

Adaptive Controller to Identify Misconfigurations and Optimize the Performance of Kubernetes Clusters and IoT Edge Devices

Areeg Samir and Havard Dagenborg

Chair: S. Schulte

long

Streamlining XR Application Deployment with a Localized Docker Registry at the Edge

Antonios Makris, Evangelos Psomakelis, Ioannis Korontanis, Theodoros Theodoropoulos, Antonis Protopsaltis, Maria Pateraki, Zbyszek Ledwon, Christos Diou, Dimosthenis Anagnostopoulos and Konstantinos Tserpes

15:00 - 15:30

Coffee Break

15:30 - 17:00

Session 6: PhD
Symposium &
Industry Track

Room: Venus

Chair: W.
Zimmermann

short

Towards Cloud Storage Tier Optimization with Rule-Based Classification

Akif Quddus Khan, Nikolay Nikolov, Mihhail Matskin, Radu Prodan, Christoph Bussler, Dumitru Roman and Ahmet Soylu

short

Towards a Federated Learning based Compute Continuum Framework

Mohamad Moussa, Philippe Glass, Nabil Abdennadher, Giovanna Di Marze Serugendo and Raphael Couturier

short

Detecting Model Changes in Organisational Processes: A Cloud-Based Approach **ONLINE**

Javier Fabra, Vctor Gallego-Fontenla, Juan Carlos Vidal, Jorge Garda de Quiros, Pedro Alvarez, Manuel Lama Penin, Alberto Bugarfñ and Alejandro Ramos-Soto

17:00 - 17:10

Closing (with award ceremony)

Conference proceedings

Available at:

<https://cyprusconferences.org/esocc2023/proceedings>

Or scan:

