

ONLINE WORKSHOP

In the framework of the Data & Web Science MSc Programme,
School of Informatics, Aristotle University of Thessaloniki

Processing Data in the Fog

The example of the RAINBOW Fog Computing platform

Date: Monday April 4, 2022

Time: 16:00pm - 18:30pm CEST

Location: Online (through the Zoom platform)

Workshop objectives

To give to MSc students a tour of the work related to distributed data management and analytics, as well as to provide concrete examples based on the innovations developed by the RAINBOW project aimed at addressing the challenges of Edge and Fog Computing.

Workshop Agenda

16:00 - 16:10	<i>Opening & Welcome</i> Speakers: Prof. Athena Vakali (Aristotle University of Thessaloniki) & Assoc. Prof. Anastasios Gounaris (Aristotle University of Thessaloniki)
16:10 - 16:30	<i>Session 1: RAINBOW: facilitating the deployment, orchestration and management of scalable, heterogeneous and secure IoT services and cross-cloud apps</i> Speaker: Alexandros Vasileiou (Software & DevOps Engineer, UBITECH Ltd)
16:30 - 16:50	<i>Session 2: Distributed data storage architecture and implementation over heterogeneous fog services</i> Speaker: Theodoros Toliopoulos (PhD Candidate, Aristotle University of Thessaloniki)
16:50 - 17:10	<i>Session 3: Comparison of distributed in-memory DBMS in dynamic fog environments</i> Speaker: George Vlahavas (PhD Candidate, Aristotle University of Thessaloniki)
17:10 - 17:20	<i>Comfort Break</i>
17:20 - 17:40	<i>Session 4: StreamSight: A query-driven framework extending streaming IoT analytics to the fog continuum</i> Speaker: Dr. Demetris Trihinas (Lecturer, University of Nicosia)
17:40 - 18:00	<i>Session 5: Optimal data placement and deployment in geo-distributed realms</i> Speaker: Anna-Valentini Michailidou (PhD Candidate, Aristotle University of Thessaloniki)

* All times are displayed in Central European Summer Time

** Sessions include a 15-mins presentation and 5-mins for questions and discussion

*** All presentations and discussions will be in English

18:00 - 18:20	<i>Session 6: Fogify: A framework to facilitate modelling, deployment and experimentation of fog testbeds</i> Speaker: Moysis Symeonides (PhD Candidate, University of Cyprus)
18:20 - 18:30	<i>Closing</i>

Free registration is required for participation to the workshop: <https://forms.gle/fAa1dcmxNwwWX7cK8>

You can find more information at the webpage of the Data & Web Science MSc programme of the School of Informatics, Aristotle University of Thessaloniki: <https://dws.csd.auth.gr>

This workshop is organized by the Data & Web Science Laboratory, School of Informatics, Aristotle University of Thessaloniki with the support of the RAINBOW H2020 project. Visit the RAINBOW website to learn about the scope and objectives of the project as well as its activities: <https://rainbow-h2020.eu>



This activity is supported by the RAINBOW project that has received funding from the European Union's Horizon 2020 research and innovation programme under Grand Agreement No. 871403

