

**F2C-DP - Workshop on Fog-to-Cloud
Distributed Processing**

Workshop on Fog-to-Cloud Distributed Processing (F2C-DP)

Workshop Description

Future service execution in different domains (e.g. smart cities, e-health, smart transportation, etc.), will rely on a large and highly heterogeneous set of distributed devices, located from the edge to the cloud, empowering the development of innovative services. In such envisioned scenario, the main objective for the workshop was to set the ground for researchers, scientists and members of the industrial community to interact each other, fueling new discussions in the emerging area coming out when shifting distributed services execution towards the edge. Analyzing the way existing programming models and distributed processing strategies may support such a scenario and to what extent these solutions should be extended or just replaced, is also fundamental to support the expected evolution in edge computing.

The workshop aimed at bringing together the community of researchers interested in new applications, architectures, programming models, applications and systems based on these computing environments, with emphasis on research topics like Machine and Deep Learning, BlockChain, Function-as-a-Service, Security and Privacy. The workshop was organized with the support of the mF2C, a H2020 funded project, and was the second edition, that has been held in Turin, Italy, in conjunction with the Euro-Par annual series of international conferences. The workshop format included a keynote speaker, technical presentations and a panel. The workshop was attended by around 25 people. The workshop received eight submissions, from authors belonging to more than 15 distinct countries. Each of them was reviewed at least three times. The program committee took into account the relevance of the papers to the workshop, the technical merit, the potential impact, and the originality and novelty. From these submissions, and taking into account the reviews, seven papers were selected for presentation in the workshop (87% acceptance ratio). The papers focused on different aspects of the fog to cloud computing platforms: application requirements and specifications, architecture, programming models, and deployment with containers. The workshop included also a keynote presentation and a panel that discussed technology and business challenges posed by the fog to cloud paradigm.

We would like to thank the Euro-Par organizers for their support in the organization, specially to the Euro-Par workshop chairs, Dora Blanco and Gabriele Mencagli. We would like to thank also Giovanni Frattini (Engineering R&D) for his keynote presentation, Massimo Coppola (ISTI/CNR) and Filippo Gaudenzi (UniMi) for their participation in the panel, as well as to all the program committee members.

Organization

Organizing Committee

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