

First mF2C Workshop
1st Workshop on managed Fog-to-Cloud
(endorsed by the mF2C project, <http://www.mf2c-project.eu>)

Co-located with IEEE/ACM UCC/BDCAT 2018
Zurich, Switzerland, December 17-20, 2018

Future service execution in different domains (e.g. smart cities, smart transportation, smart energy, e-health, etc.), will rely on a large and highly heterogeneous set of widely distributed devices, located from the edge up to the cloud, empowering the development of innovative services. Such a distributed scenario is demanding substantial research efforts towards a novel management architecture, enabling a coordinated and efficient management of the whole set of resources. Ongoing efforts are already devoted to overcome some of the envisioned management challenges, today visible through two main incipient research initiatives, the OpenFog Consortium reference architecture and the mF2C H2020 research project, the latter leveraging the proposed Fog-to-Cloud (F2C) concept.

In such envisioned scenario, the main objective for the proposed workshop is to set the ground for researchers, scientist 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, taking care of security and privacy aspects as well. The workshop aims at opening new paths and feeds for research in a very innovative and challenging scenario.

This workshop aims at bringing together the community of researchers interested in new applications, architectures, programming models, applications and systems based on these computing environments.

All authors are warmly invited to present ideas about the application of programming models applied to distributed scenarios leveraging the particular constraints of combined fog and cloud computing scenarios. Submissions must not be previously submitted anywhere and must meet the submission guidelines for regular papers in the IEEE/ACM UCC/BDCAT Conference. The accepted papers will be published in the IEEE/ACM UCC/BDCAT Conference Proceedings.

Workshop Chairs:

Admela Jukan, Technische Universität Carolo-Wilhelmina zu Braunschweig, Germany
Rosa M. Badia, Barcelona Supercomputing Center, Spain
Xavi Masip, Universitat Politècnica de Catalunya, Spain
Ana Juan, Atos, Spain
Antonio Salis, Engineering Sardegna, Italy

Important dates:

Papers submission: August 31, 2018
Papers acceptance notification: October 03, 2018
Camera ready & authors registration: October 8, 2018

Important links:

mF2C Workshop: <http://www.mf2c-project.eu/acm-ieee-ucc-2018-mf2c-workshop/>
UCC Conference: <http://ucc-conference.org/>

Submission guidelines

Submitted manuscripts should be structured as technical papers and may not exceed six (6) single-spaced double-column pages using 10-point size font on 8.5×11 inch pages (IEEE conference style), including figures, tables, and references. The proceedings will be published by the IEEE Computer Society and will be made available online through the IEEE Digital Library, as well as through the ACM Digital Library.

Authors should submit the manuscript in PDF format. All manuscripts will be reviewed and will be judged on correctness, originality, technical strength, rigor in analysis, quality of results, quality of presentation, and interest and relevance to the conference attendees. Papers conforming to the above guidelines can be submitted through the UCC 2018 paper submission system.

Submitted papers must represent original unpublished research that is not currently under review for any other conference or journal. Further details on the publication instructions and registration information will be published on the UCC website.

Paper submission

Papers should be submitted through EasyChair at the following link:
<https://easychair.org/my/conference.cgi?conf=mf2c>