

# **LSDVE - Workshop on Large Scale Distributed Virtual Environments**

# **Workshop on Large Scale Distributed Virtual Environments (LSDVE)**

## **Workshop Description**

The Sixth Workshop on Large Scale Distributed Virtual Environments (LSDVE 2018) was held in Turin, Italy. For the sixth time, this workshop was organized in conjunction with the Euro-Par annual series of international conferences. The main aim of the sixth edition of the workshop has been to provide a venue for researchers to present and discuss important aspects of large scale networked collaborative applications and of the platforms supporting them.

Several novel applications have emerged in the area of large scale networked applications: social networks, distributed cryptocurrencies, blockchains. In particular, blockchain technology which has been proposed for cryptocurrencies has been recently been applied to different areas, like IoT, e-health, financial services. Peer to peer, Internet of Things, Smart-cities, distributed sensing are examples of modern ICT paradigms that aim to describe globally cooperative infrastructures built upon objects' intelligence and self-configuring capabilities. The workshop has been a venue for researchers to present and discuss important aspects of large scale networked collaborative applications and of the platforms supporting them. The workshop's aim is to investigate open challenges for such applications, related to both the applications design and to the definition of proper supports. Some important challenges are, for instance, exploitation of the classical blockchain technology to support collaborative applications, discussion on alternative distributed consensus algorithms, privacy and security issues.

This year, the workshop has included two sessions. The papers presented in the first session regard blockchain technology, in particular the first one presents a framework for the secure sharing of health-data on a blockchain, while the second one discusses which are the drivers behind adoption of blockchain technology. The second session includes papers regarding mobility in a smart city environment, experiments on an Android-based Opportunistic Network and a novel approach for community detection in Distributed Online Social Networks.

We wish to thank all who helped to make this sixth edition of the workshop a success: authors submitting papers, colleagues who refereed the submitted papers, the numerous colleagues who attended the sessions, and finally the Euro-Par 2018 organizers whose invaluable support greatly helped in the organisation of this sixth edition of the workshop.

## Organization

### Program Chairs

Laura Ricci	Department of Computer Science, Pisa, Italy
Barbara Guidi	Department of Computer Science, Pisa, Italy
Radu Prodan	University of Klagenfurt, Austria

### Program Committee

Michele Amoretti	University of Parma, Italy
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Paolo Mori	IIT, CNR, Pisa, Italy
Symeon Papadopoulos	CERTH, Greece
Dana Petcu	West University of Timisoara, Romania
Radu Prodan	University of Klagenfurt, Austria
Laura Ricci	University of Pisa, Pisa, Italy