



1st International Workshop on Next Generation Information Systems: Modeling, Monitoring and Management in Cloud and Fog Computing

9th June, 2020. Grenoble, France

About NeGIS:

The amount of data and services supported by Information Systems (ISs) has increased exponentially during the last few years. Recent developments have shown an inversion towards decentralization and distribution of applications and services in the huge pool of devices and computing facilities available nearer to the customers. This shift is driven by the Internet of Things, which is further increasing the amount of data to be stored and computed. Fog Computing is the last frontier for ISs, where data and services can be moved in the continuum of resources between the cloud and the edge.

In this workshop we aim to collect contributions investigating issues related to the management of cloud and fog computing in modern information systems with a focus, but not limited, on energy efficiency, security, and privacy, their relations and trade-off with other requirements such as response time and throughput. We are considering both the application components of the information system with their complexity, as well as the management of the data used by such applications.

Topics of interest:

- Modelling Cloud and Fog computing solutions for modern Information Systems
- Monitoring and Managing Information Systems and data in Cloud and Fog Computing
- Energy-awareness and sustainability in Information Systems: metrics and measurements
- Quality of Service, energy efficiency and security in Mobile Edge Computing
- Methodologies and tools for energy efficiency and security compliance in Cloud and Fog computing
- Adaptive approaches to manage energy consumption, QoS, and security of applications and systems
- Energy and Security aware blockchain solutions
- Energy and security requirements in Information Systems and Socio-Technical Systems
- Energy and security behaviours in Socio-Technical Systems

BEST PAPER AWARD: an extended version of the best paper will be considered in a fast review track of a high level international journal

Submission instructions:

The proceedings will be published in the Springer LNBI series. Papers must be submitted in PDF format through the EasyChair system. Submitted papers, in the form of long (12 pages) or short (6 pages) papers, should present original research that is unpublished and must not be under review elsewhere.

Submission link:

<https://easychair.org/conferences/?conf=caise2020>

Instructions for authors:

<http://www.springer.com/comp/lncs/authors.html>

Important dates:

Paper submission deadline:	26th February 3rd March 2020
Notification of acceptance:	1st April 2020
Camera-ready papers due:	7th April 2020

Committees

Workshop Chairs

M. Vitali (Umeå University, Sweden)
M. Salnitri (Politecnico di Milano, Italy)
T. Li (Beijing University of Technology, China)

Technical Program Committee

M. Aiello (University of Stuttgart, Germany)
A. Brucker (University of Exeter, UK)
G. Da Costa (IRIT, University of Toulouse, France)
V. Diamantopoulou (University of the Aegean, Greece)
C. Herzog (IRIT, University of Toulouse, France)
C. Mastroianni (ICAR-CNR, Italy)
G. Meroni (Politecnico di Milano, Italy)
H. Mouratidis (University of Brighton, UK)
J. Mylopoulos (University of Ottawa, Canada)
A. Orgerie (CNRS - IRISA, France)
P. Östberg (Umeå University, Sweden)
E. Paja (IT University of Copenhagen, Denmark)
M. Pavlidis (University of Brighton, UK)
J. Pierson (Paul Sabatier University, France)
P. Plebani (Politecnico di Milano, Italy)
P. Stolf (IRIT, University of Toulouse, France)
H. Yu (Beijing University of Technology, China)