

4<sup>th</sup> International Workshop on  
**Measurement and Metrics for Green  
& Sustainable Software Systems (MeGSuS'18)**

October 9<sup>th</sup>, 2018 - Collocated at ESEM 2018  
Oulu, Finland

## Call for Participation

With the recent proliferation of wearable devices and mobile applications, Information and Communication Technology (ICT) is increasing its impact on the environment due to its resource and power consumption. However, ICTs can make also a significant contribution to saving energy, by autonomous optimization efforts and by inducing changes of user behaviour attitudes and values.

In the last years, there has been an increasing interest in having clear metrics for measuring the carbon footprint of software, the amount of resources used by software, and how it affects the environmental impact of ICT. However, measuring software sustainability is a challenging task, due to the complexity of its direct and indirect effects on the environment and dependencies among sustainability aspects. More empirical evidence on the performance, reliability and usefulness of the proposed metrics is required.

The workshop MeGSuS'18 aims to provide a forum for researchers and practitioners i) to discuss their current work on measurement practices for greening and making more sustainable software systems ii) to present empirical studies on metrics used to design sustainable software systems from different domains (e.g. smart transportation, healthcare, education) and assess/predict the greenness in the ICT industry (e.g. data centers, embedded system software) iii) to identify the main challenges and define a research agenda on the topic of Measurement and Metrics for Green and Sustainable Software.



## Topics

- Energy measurements of data structures
- Measures of software sustainability
- Modelling energy measurements
- social sustainability
- Green metrics
- ...

## Registration

Early bird: 20-08-2018

Registration closes: 01-10-2018

Students: 100 € | 130 €

Professionals: 170 € | 200 €

**The workshop program  
will be published on the  
MeGSuS website.**

<http://eseiw2018.wixsite.com/megsus18>