

PASS 2020

Policy, Awareness, Sustainability and Systems

Next Generation Challenges for

Computational Information Systems Research

in Energy and Mobility

Institute of Energy Economics, University of Cologne, July 23th & 24th 2020

Information Systems and Technology (IS/IT) fundamentally changed and change many areas of life. IS researchers embrace technology as a vital component in interaction with our surrounding environment. Technology can also help tackle the most urgent problems of our time. As such, we seek to unveil ways in which IS and IT can help the shift towards sustainable behavior and consumption in the areas of energy and mobility.

The workshop on Policy, Awareness, Sustainability, and Systems (PASS) is an initiative of Workshop for Information Technology and Systems (WITS) to encourage research in terms of problem domains, technological and methodological scope and its potential impact. Information is key to organizing a sustainable environment for the planet, whether it is in terms of creating and managing food supply, energy, mobility, water or embedded devices that will provide new perceptive abilities to humans in the form of augmented reality and interactive decision environments. Building, testing, managing and controlling this new generation of technologies would require an understanding that current data and approaches may not adequately be able to deal with. Yet appropriate guidelines and policies must be developed to avoid exploitation of new technology for potentially destructive purposes.

The purpose of the PASS workshop is to invite researchers and scholars to discuss their research related to Information Systems and Technology and provide a forum for substantive discussion around a broad set of forward-looking topics. We especially seek new research on the paradigmatic shifts of the energy and mobility domains. Consistent with WITS theme, the methodological focus we encourage is that of computational, simulation and algorithmic strain. The award ceremony of the 2020 Power TAC tournament (www.powertac.org) will take place during the workshop. Power TAC participants are particularly welcome to submit abstracts. Furthermore, we are planning a special issue in the Journal of Information Technology around these themes.

The workshop will kick-off with a networking dinner on Thursday July 23. The main workshop will take place on Friday July 24 2020 at the Institute of Energy Economics of the University of Cologne, Germany. The presenting author will be provided accommodations for one night. There is no registration fee, however, the space is limited and will be provided on a first come, first served basis. Interested presenters should submit an extended abstract (maximum 6 pages, excluding references) to the workshop's submission system at <https://easychair.org/my/conference?conf=pass2020>. Deadline for submission is April 24, 6 PM (GMT+2)

PASS Website: <http://www.is3.uni-koeln.de/de/events/upcoming-events/pass-workshop-2020/>

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