



NECTAR 2017 International Conference
May 31 – June 2, 2017
Madrid, Spain

Cluster 8 ICT call for papers

Understanding mobility using ICT

Emerging ICT technologies result in widespread and continuous measurements of the human mobility and transportation system, including GPS, Mobile Communication, WiFi, BlueTooth, Can-bus, smartcard, AVL, ITS systems, loop detection and other systems. Combining this information with other data sources (e.g. incidents, weather or events) or deploying dedicated apps can provide a better understanding of the transportation system or even predict future states. However, being able to do so various challenges need to be addressed related the handling and validation of data, but also on the fusion, combination, analysis and visualization.

Topics of Interest

In line with the general call on Transport in a Networked Society our sessions will focus on addressing these challenges as well as research deploying these data sources to gain better insights of the transportation system, mobility of individuals and impact of ICT on travel.

Topics of interest include:

- App-based travel data collection
- State estimation and prediction
- Data fusion
- Data validity
- Data visualization
- System dynamics
- ICT and travel behavior

Deadline for abstract submission: 30 January 2017. Abstracts should be submitted electronically, using the form available on the Conference website:

<http://eventos.ucm.es/go/nectar2017conference>

Criteria for acceptance: the scientific quality of the abstract and NECTAR membership. The number of participants of this thematic session will be limited to 8.

A copy of the abstract should also be sent to Luc Wismans (l.j.wismans@utwente.nl) and Rein Ahas (rein.ahas@ut.ee), Cluster 8 co-chairs

Notification of acceptance: 26 February 2017.

Venue:

The NECTAR conference will be organized by three institutions: Institute for Prospective Technological Studies (JRC), University Complutense of Madrid (UCM) and the Polytechnic University of Madrid (UPM). Venue is the Polytechnic University of Madrid (UPM), Madrid, Spain.

Participation and NECTAR membership

Registration, meals and accommodation for two nights (May 31, June 1) will be offered to NECTAR members, for only one author per paper. All practical details will be communicated through the conference website. In order to participate in the Conference, a consecutive and current two-year NECTAR membership is necessary. Non-members can find details of how to join the association on the “Membership” page of NECTAR’s website:

www.nectar-eu.eu/membership

NECTAR cluster co-chairs

Elizabeth Mack, Michigan State University

Emmanouil Tranos, University of Birmingham

Rein Ahas, University of Tartu

Luc Wismans, University of Twente

NECTAR is a European-based scientific association. The primary objective is to foster research collaboration and exchange of information between experts in the field of transport, communication and mobility from all European countries and the rest of the world. It is a multidisciplinary social science network bringing together a wide variety of perspectives on transport and communication problems and their impacts on society in an international perspective. For further information on NECTAR, use the link: <http://www.nectar-eu.eu>.