



The Role of Accessibility in times of Technological Innovation, (Re-)Urbanization and Climate Change

NECTAR Cluster 6 (Accessibility) international workshop

Technical University of Munich, Germany

12 – 13 December 2019

Call for papers

Which role can accessibility play in times of technological innovation, (re-)urbanization and climate change?

A number of technological innovations and new mobility services have appeared on the scene. Their impacts on the land use and transport system are highly uncertain and various scenarios need to be considered. Innovations entail opportunities, but also challenges, which lead to a multitude of planning questions, such as: How will a fully employed Mobility as a Service (MaaS) system impact mobility patterns and use of space? How will autonomous vehicles influence urban structure? Decision-makers need to be aware of potential impacts in order to actively shape future development. However, current accessibility models are often incapable of reflecting and visualizing these impacts.

Transport innovations are accompanied by a paradigm shift in urban planning, where social sustainability, well-being, and liveable urban spaces have high priority. Accessibility planning needs to cater for city growth and has to align with a redefined way of urban planning. The transport system is expected to be space-efficient, inclusive, and convenient. Public transport will likely consolidate its role as the backbone of the transport system, but also needs to be comfortable, flexible, and reliable. The promotion of walking and cycling will be a central theme if liveability and health impacts are receiving increasing attention. Dense and mixed-use urban environments need to provide the required preconditions.

The re-definition of urban planning goals is accompanied by increasing environmental concerns, which are gaining relevance in the context of climate change. Travel time savings are not the sole objective of transport planning anymore, making “the faster, the better” obsolete. New challenges need to be addressed and additional stakeholders need to be included, which will reshape governance processes. Accessibility might assist in multi-criterial decision making processes, where social, environmental, and economic objectives are combined. Measures and instruments should be in line with changed definitions and prioritization of political objectives. The availability of big data provides opportunities to



model and plan for increasingly complex networks. Interactive accessibility tools, making use of multiple data sources and open data, could help to engage various stakeholders and encourage a common discussion in order to ensure more sustainable mobility practices.

Topics of interest

The workshop will focus on the following topics:

- Measuring active mobility, e.g. walking and cycling
- Subjective wellbeing and comfort
- Social inclusion by technological innovation
- Accessibility modelling in times of open source and open data
- Accessibility in the era of big data
- Public transport accessibility and reliability
- Modelling intermodal accessibility
- Accessibility and complex networks
- Governance and decision-making based on accessibility

Venue and side events

Before the NECTAR workshop an important seminar of the Urban Europe Research Alliance (UERA) will take place in Munich on 11 December 2019. This meeting of the Thematic Group "Accessibility and connectivity" of the UERA, will focus on "Mobility Transitions". Keynote speeches will also be proposed on topics related to accessibility and connectivity and are already identified. Both the NECTAR workshop as well as the UERA seminar will take place at the Technical University of Munich, Germany.

Abstract and CV submission

If you are interested to participate in the NECTAR workshop, please send an **abstract** of your presentation (500-1000 words) including author names and affiliations and keywords, and your **CV** (2-4 pages) in PDF format to benjamin.buettner@tum.de before **11 October 2019**.

Participation and NECTAR membership

Up to 20 authors will be invited to present their paper in the workshop. Registration, meals and accommodation for one night will be offered to NECTAR members, for only one author per paper. One night of hotel accommodation will be offered to participants who have confirmed their participation by sending copies of travel tickets before 29 November 2019. 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 (2019-2020). Non-members can find details of how to join the association on the "Membership" page of NECTAR's website: www.nectar-eu.eu/membership



Important dates:

Abstract submission: 11 October 2019.

Notification of acceptance: 31 October 2019.

Confirmation of attendance: 15 November 2019

Looking forward to meeting you Munich!

The NECTAR Cluster 6 Coordination Team

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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>.