

## **Call for Abstracts: Designing spaces intelligently Decision support systems and platforms for cities and regions**

In view of current disruptive developments such as spatial polarisation and the digital transformation, municipal and regional authorities responsible for spatial planning and services of general interest are facing considerable challenges, but also opportunities, in order to be able to intelligently design spaces with a view to profound change. The large group of "babyboomers" (born between 1955 and 1969) entering retirement age also requires new orientations on the part of cities and municipalities as well as other agencies responsible for spatial planning in order to ensure corresponding age-appropriate residential locations and supply structures.

The influences occurring simultaneously and in interaction with demographic change determine the current and future development of municipalities, which makes planning decisions more difficult. For example, questions remain unanswered about the extent to which older people will remain in their place of residence and what demands on the residential environment exist. How can medical care be organised in the place of residence or region? To what extent can municipal finances be optimally used today for tomorrow? What measures does climate change require? And, how can accessibility be optimised analogue and digitally? In the research project "Ageing Smart - Designing Spaces Intelligently", the development of municipalities is analysed with the help of mathematical optimisation methods and artificial intelligence in order to be able to estimate the consequences for municipal (action) spaces. An intuitively usable, digital and data-based decision support system is being developed that will serve as a decision-making aid for public actors in planning processes. The Special Track combines the research fields of digitalisation and AI, demographic development and municipal and regional planning. We invite submissions that deal with the spatial, planning and organisational-technical aspects and the consultation of municipal and regional actors. Corresponding data analyses and scenario developments of spatial-strategic decision support are the focus of this track.

### **Target groups**

The conference is aimed at researchers in disciplines such as urban and spatial sciences, social sciences and humanities, architecture, engineering, mobility and climate research, environmental sciences, administrative science, economics, communication and media studies and computer science, as well as practitioners from smart city administration and municipal companies.

The international track, which is organized by the Ageing Smart project consortium, will be held in English. Other tracks of the conference will be held in German. Further information can be found [here](#).

## Topics

Possible topics could be:

- Classic fields of action of the smart city such as digital services of general interest (e.g. mobility/transport, energy and environment, security, education, health or trade), digital administration, etc.
- Governance structures and strategies
- Use and development of AI-based applications
- Participation, involvement and smart citizens
- Data protection and data security in smart cities and regions
- Platforms and platform economy
- Urban data platforms and digital twins
- Technical standards and norms in smart cities and regions
- Normative dimensions of smart cities and regions (quality of life, equal living conditions, sustainability and resilience, etc.)
- Critical perspectives on smart cities and regions
- Smart cities and regions in public/media discourse
- Evaluation and impact measurement of smart city strategies and measures
- Development paths to the smart city / region - success factors and stumbling blocks

## Submission and review process

Extended Abstracts (4.000 to 5.000 characters including spaces, references, tables and figures) in English language can be submitted until January 19th 2024. To guarantee a blind review, two versions of the abstracts shall be submitted in pdf format: an original version with author information and a second version without the authors' names and affiliation.

Please submit your abstract via email to: [submission@ipsc-konferenz.de](mailto:submission@ipsc-konferenz.de).

All submissions will undergo a double-blind peer review, stressing the following criteria:

- innovativeness/originality
- relevance of the topic/research question
- appropriateness of the method/approach
- clarity of the outline

## Dates and deadlines

- 2024/01/19: submission deadline
- 2024/03/07: information on acceptance/rejection
- 2024/06/13-14: IPSC conference

## Conference organisers

- University of Kaiserslautern-Landau
- German Research Center for a Artificial Intelligence
- Fraunhofer Institute for Experimental Software Engineering IESE
- KL.digital GmbH

Please do not hesitate to contact us in case of any questions: [info@ipsc-konferenz.de](mailto:info@ipsc-konferenz.de).

### **Conference programme and registration**

Details on registration, the general programme keynotes, etc. will follow!

On behalf of the Ageing Smart Team

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