



Vision Map of Haven-Stad in 2040 from Concept Development Strategy, 2017  
Published by the City of Amsterdam

### Themes

Mobility  
Sustainability  
Living and working

### Credits

3 ECTS

### When

From 19th to 26th  
August 2019

### Where

AMS Institute  
Amsterdam Institute for  
Advanced Metropolitan  
Solutions

### Target Group

60 researchers or young  
professionals and master  
students in Transport,  
Infrastructure and Logistics, Data  
experts, Urban Design and  
Planning, Area Development,  
Environmental Design  
and Sciences and related  
disciplines.

### Event website

<https://www.ams-institute.org/events/summer-school-2019-smart-mobility-urban-development/>

# AMS Summer School 2019

## Smart Mobility & Urban Development in Haven-Stad, Amsterdam

Exploring Sustainable Urban Integration Approaches

**keywords** smart mobility, urban planning, interdisciplinary approach, multimodal mobility, data

### Who and what?

The City of Amsterdam, the ARENA architectural research network and Delft University of Technology (through Deltas, Infrastructures & Mobility Initiative, the Faculty of Civil Engineering and Geosciences and the Faculty of Architecture and the Built Environment), join the Amsterdam Institute for Advanced Metropolitan Solutions (AMS) in the organization of the interdisciplinary 2019 Summer School: 'Smart Mobility & Urban Development in Haven-Stad'.

Participants of this summer school will explore interdisciplinary approaches towards a sustainable integration of designing disciplines for smart urban mobility and the new urban development area Haven-Stad in Amsterdam. They will deal with the following themes: the role and function of smart urban mobility, including mobility as a service (MaaS) and emerging mobility options; travel behaviour of a growing number of users; sustainability challenges and fairness in transport planning; public and semi-public spaces (and social dynamics therein); exploration of alternative, marginal and emerging social uses of urban developments as meeting places and culture; urban integration in the

overall mobility system; the interface between architecture and infrastructure within the urban fabric; programming of future transport nodes and the accessibility to and from such transport hubs of all types of smart mobilities (e.g. conventional public transport, shared mobility, autonomous taxis, etc.).

This is a follow up of the previous Summer Schools at AMS Institute: *Making the Metropolis* in 2017 and *Integrated Mobility Challenges in Future Metropolitan Areas* in 2018, which was linked to the *Stations of the Future/Gares du Futur* event held in Paris. The outcome of this Summer School and the Paris event is presented in the book *Stations as Nodes*.

### Brief

The main goal of the summer school is to find solutions for multimodal mobility in future urban areas to promote a high level of public spaces connecting Haven-Stad, Amsterdam and the Randstad with other smart transportation nodes. The solutions will provide travellers with a high level-of-service, while enhancing the quality of life of the future inhabitants and daily users of Haven-Stad.

This summer school is a cooperation between:



Deltas, Infrastructures & Mobility Initiative



Faculty of Civil Engineering and Geosciences  
Faculty of Architecture and the Built Environment

## Registration & costs

Costs: € 200,-  
(field excursions,  
lectures and tutoring)

## Main venue

AMS Institute,  
Kattenburgerstraat 6,  
Building 027W  
1018 JA, Amsterdam (NL)

Researchers and students  
from ARENA Architectural  
Research Network, Delft  
University of Technology,  
Wageningen UR  
and MIT Boston can  
participate free of charge

## More information about the previous events

<https://www.ams-institute.org/education/summer-schools/>

<https://www.ams-institute.org/news/stations-future-project-first-steps/>

<https://www.ams-institute.org/news/stations-future-15-16-march-2018/>

<https://www.ams-institute.org/news/stations-nodes-book-published/>

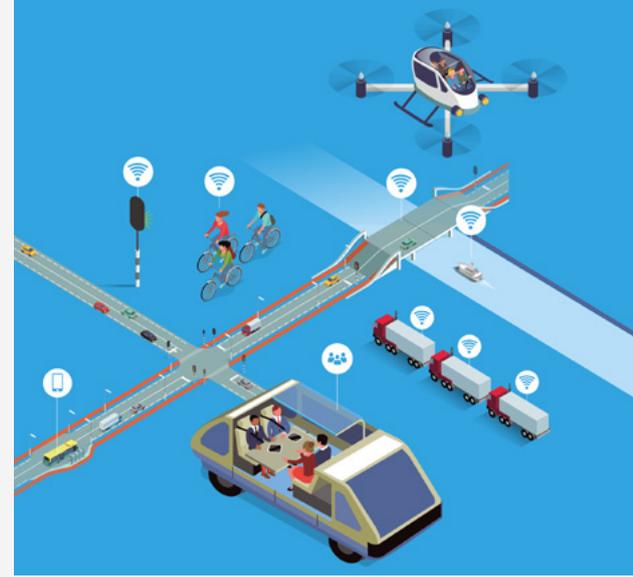
Several design disciplines, covering transport behaviour, infrastructure design, service design and people flow management will be closely integrated with the fields of urban planning and architectural design at various spatial scales.

Mobility operates as the intersection between the city's infrastructure and its city's inhabitants; it is the central link in the well functioning of a city and a key element in the organization of multimodal transport.

The appointment of a new high dense metropolitan area called Haven-Stad in Amsterdam gives the opportunity to design from the ground up integrated mobility solutions while maintaining high quality urban planning and architectural expression. The focus area is closely connected to the center of the City of Amsterdam, but the design solutions will stretch as far as the Randstad metropolitan area.

The main question will be: **which approaches and scenarios of smart (multimodal) mobility can be tested and applied to the future urban development of Haven-Stad, Amsterdam?**

Participants of the summer school from different (design related) backgrounds will exchange knowledge of sustainable (existing and future) solutions by applying different development strategies on Haven-Stad. This test-bed and real-life location is considered as the biggest urban generator for future developments in Amsterdam and therefore is a very realistic design challenge.



Smart Mobility proposal

Source: Koers Smart Mobility, Provincie Noord-Holland (2018)

This is all connected to the *urban challenges on Smart Urban Mobility* established by AMS Institute:

- MaaS and public transport: User-driven Mobility as a Service concepts and innovative public transport solutions to make going from A to B as seamless as possible
- Active Modes: Bike and pedestrian flows and prototypes crowd monitoring tools to create safe and pleasurable experiences for both visitors and citizens
- Autonomy: Driverless vehicles, both on the street and in the water and their impact on urban design to create a better quality of life.
- Mobility hubs: Points in the urban and mobility network that combine various activities to realize more efficient movement of people and goods in an attractive and accessible urban environment.
- Data: New ways of collecting and fusing data from various sources with different scales, times and granularity to find new patterns, connection and proof for mobility solutions.

## Contact

Send your application or enquiries to:  
Joran Kuijper:  
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## Application

Application deadline: **June 14th 2019**.  
Application should include: full name, email address, cell phone number, university, faculty, study program (incl. field of discipline); CV and a motivation letter (maximum of 100 words).

Admission will be based on evaluation on CV and motivation letter. Shortly after the 14th of June you will hear if you are granted to participate.

## Organising Committee

Jan Duffhues  
Joran Kuijper  
Tom Kuipers  
Sanmay Shelat  
Fatemeh Torabi Kachousangi  
Manuela Triggianese

## Scientific Committee

prof.dr.ir Serge Hoogendoorn (AMS)  
prof.ir. Kees Kaan (TU Delft, AMS)  
prof.dr.ir. Arjan van Timmeren (TU Delft, AMS)  
dr.ir. Maurice Hartevelde (TU Delft, AMS)  
dr.ir. Niels van Oort (TU Delft)  
dr.ir. Roberto Cavallo (TU Delft, ARENA)  
dr.ir. Manuela Triggianese (TU Delft, AMS)  
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