



Smart cities - Shaping cities based on Living Labs

Join us for the international Smart Cities event in Eindhoven and Helmond (The Netherlands) on 21 and 22 May 2019.

Professionals from several countries and cities meet up in the Brainport region of Eindhoven to experience how Brainport partners collaborate to achieve their ambitious goals.

During this day and a half, there will be a number of keynote speakers, interactive workshops, field trips and time for networking.

PROGRAMME

TUESDAY 21 MAY

12 P.M.: REGISTRATION AND LUNCH

We welcome you to TU/e (University of Technology Eindhoven), within walking distance from Eindhoven train station.

1 – 3.45 P.M.: lectures and interactive sessions

Chairman of the day Barbara van der Ploeg welcomes you to a varied programme of lectures and workshops.

LECTURES:

ENERGY SYSTEMS: WHAT'S GOING ON?

Guus Pemen updates us with the latest developments in energy systems in smart cities. Topics are: decentralisation (pv systems and local storage), electrification (electric vehicles, heat pumps, power to x...), markets (dynamic pricing, peer-to-peer trading, transactive energy) and digitisation (smart grids, multi agents, blockchain).

SMART DOESN'T EXIST WITHOUT CIRCULARITY

Cities must be circular in 2050. Elphi Nelissen explains how we get there. What do we have to do now?

How should Brainport Smart District (BSD) act on this? What can we learn from BSD?

WORKSHOPS (TO CHOOSE FROM)

1. URBAN DATA PLATFORMS- DUJUAN YANG

Data-driven platforms have been promoted in the EU context. Various open data platforms or data hubs, such as SynchroniCity, the National Address Base and Data hub for Triangulum, have been developed by companies and universities in the past few years. Despite these high-profile projects, which have proved the feasibility of such technology during their implementation, more challenges appear. The workshop will try to identify critical obstacles for implementing the open data platform. We will also hold an in-depth discussion with experts and end users, to try to find solutions with which to bridge the gaps preventing scaling up of existing technology solutions in Brainport Smart District.

2. CIRCULAR CITIES- HAJO SCHILPEROORT

During this workshop we will make an effort to see who brings what to the table; who has which particular knowledge problems and research questions; and how they could start to get to the answers. Notice that the problems and questions can be located in or across the domains of technology, economy, society a/o the humanities. The focus in this workshop is on research, more specifically: what knowledge is missing, what knowledge can really bring us a step further?

4.15 P.M.: VISIT TO STRIJP-S

The municipality of Eindhoven is a participant in the H2020 project Triangulum, as one of the Lighthouses, together with Stavanger (NO) and Manchester (UK). As a part of the project, smart city technologies are implemented in two different neighbourhoods in Eindhoven. The trendy and lively industry and living area Strijp-S was chosen to be one of the living labs for improving the quality of life for residents and visitors. Innovative products and services, which contribute to this, are developed in cooperation between project partners and the communities. We will be welcomed by VolkerWessels, major partner in the Strijp-S area.

5.45 P.M.: VISIT TO NIGHT OF THE NERDS, DUTCH TECHNOLOGY WEEK

The organisers of Dutch Technology Week (www.dtw.com) welcome us to Night of the Nerds and demonstrate just how fascinating the world of creativity, technology and innovation is. During the course of the event, participants (from age 14) are treated to the latest digital, technological and media developments. They will show participants their way around robots, internet of things, 3d printing, augmented reality, virtual reality, sound design, data, digital design, coding, nanotechnology and much more.

7-10 P.M.: DINNER

WEDNESDAY 22 MAY

9.30 A.M.: DEPARTURE FROM TU/E FOR A VISIT TO HELMOND AUTOMOTIVE CAMPUS (HAC)

Helmond Automotive campus is the national and international hotspot, meeting place and business location for the automotive business.

10.30 A.M.: LECTURE AND DISCUSSION ON CAMPUSES

Bert-Jan Woertman was a contributor to the development and growth of High Tech Campus Eindhoven into the world's smartest square kilometre and was involved in kickstarting the Brainport Industries Campus. Now he is taking on a new challenge in Helmond: Brainport Smart District, where housing and business activities will be more integrated. What innovative model do we need for developing the business activities?

11.30 A.M.: VISIT TO COMPANIES AT HAC

Two innovative companies at the Campus will be visited. Think for example about management tools to develop smart mobility solutions. Also start-ups and scale-ups are housed at the Campus.

1-2 P.M.: LUNCH

2-3 P.M.: LECTURE ON BSD

Brainport Smart District is a completely new concept, in which future residents play an important role and a new concept of experimental building and living will be developed. Edwin van Renterghem links the existing Brandevoort projects and challenges to the new Brainport Smart District projects. As an experienced manager of Helmond and with his architectural background, he addresses the innovation and municipal procedures for a new way of developing a district, in this case Brandevoort.

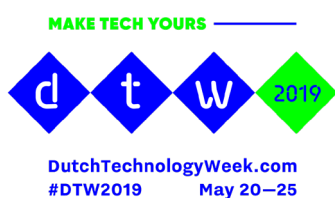
3-4 P.M.: VISIT BRANDEVOORT I

Visit to the future location of Brainport Smart District and its predecessor Brandevoort I in Helmond

4-5 P.M.: CONCLUDING NETWORK EVENT

Travel back to Eindhoven.

THIS EVENT IS ORGANISED BY:



Dit project heeft gelden ontvangen van Horizon 2020 onderzoeks- en innovatieprogramma van de Europese Unie onder Grant Agreement nr. 646578

BRAINPORT SMART DISTRICT
living the future



TU/e



EINDHOVEN

KEYNOTE SPEAKERS

PROF. IR. ELPHI NELISSEN

Elphi Nelissen is a Full Professor and Chair of Building Sustainability at Eindhoven University of Technology. She influences policy making in the field of circular and sustainable building at a national level, in her roles as chairwoman of the Transition Team Circular Building Economy and member of the national Taskforce Building Agenda (Bouwagenda).



IR. HAJO SCHILPEROORT

Hajo Schilperoort is a university lecturer at Eindhoven University of Technology in the field of architecture, building technology and integral design. He is also an Honours lecturer at Avans Hogeschool and a passionate follower of other modern technologies, philosophies and sciences. Hajo is currently developing the TU/e certificate programme Circular Design.



PROF. DR. ING. GUUS PEMEN

Guus Pemen is a Full Professor and Chair of the Electrical Energy Systems group at Eindhoven University of Technology. He leads research on smart grids, power grid components, power quality and EMC and pulsed power technology. He is a Thought Leader of the Smart Buildings and Hybrid Energy Systems Theme in the Smart Cities Program at TU/e.



BERT-JAN WOERTMAN

Bert-Jan Woertman is a social innovator with a proven track-record in building innovative eco-systems that really work. He led the development and growth of High Tech Campus Eindhoven into the world's smartest square kilometre. He also was involved in kickstarting the Brainport Industries Campus.



IR. BARBARA VAN DER PLOEG

Barbara van der Ploeg is Director of Operations at the Smart Cities Program at Eindhoven University of Technology and Project Manager of the project Sustainable Renovation of the Dutch Housing Stock and Innovation in the Building Sector at Bouwagenda.



ING. EDWIN VAN RENTERGHEM

Edwin van Renterghem is Project Manager Brainport Smart District Brandevoort and urban development engineer at the municipality of Helmond.



DR. IR. DUJUAN YANG

Dujuan Yang is an Assistant Professor of Information Systems in the Department of the Built Environment at Eindhoven University of Technology (TU/e). She is also a Program Manager of the TU/e Smart Cities Program - Urban Data and Data Platform. She will be leading an interactive session about Urban Data Platforms.



ADDITIONAL INFORMATION:

COSTS

Participation fee 99 euros for admission, transport and meals.

DO YOU HAVE ANY QUESTIONS?

Please send an email to Delia Mitcan (municipality Eindhoven): d.mitcan@eindhoven.nl

TO REGISTER, PLEASE FOLLOW THIS LINK:

<https://www.eventbrite.com>

Please sign up before 20 April.