

International Meeting on

'CITIES4PEOPLE: INTELLIGENT DATA ANALYTICS FOR NEXT-GEN CITIES'

15-16 November 2018, JADS Mariënborg Campus

Sint Janssingel 92, 's-Hertogenbosch, The Netherlands

## PROGRAMME

### CITIES4PEOPLE:

INTELLIGENT DATA ANALYTICS  
FOR  
NEXT-GEN CITIES

NOVEMBER 15-16, 2018



Mi-City Programme on Smart Cities

in collaboration with

The Dutch Speaking Regional Science  
Association (RSA-N)

Ax:son Johnson Foundation (Sweden)



ASEL AND MARGARET  
AX:SON JOHNSON FOUNDATION



# Programme 15 November 2018

**Date & Time:** Thursday, November 15, 2018 **08:30 -18:00**  
**Location:** The Chapel, JADS Mariënborg Campus, Sint Janssingel 92, 's-Hertogenbosch  
**Organizers:** JADS, Mi-City Programme, The Dutch Regional Science Association (RSA-N) & Ax-son Johnson Foundation (Sweden)

**08:30-08:45**                      **Registration & Coffee**

**08:45-09:00**                      **Opening & Welcome - Peter Elmlund** (Ax:son Johnson Foundation, Sweden)  
**Louis Vertegaal** (JADS, The Netherlands)

## **09:00-10:30**                      **SESSION 1: EMERGING CHALLENGES FOR URBAN DEVELOPMENT**

**Chair: Peter Nijkamp** (JADS, The Netherlands)

09:00-09:45                      *Improving our Global Infrastructure: An International Geodesign Collaboration*

**Carl Steinitz** (Harvard University, USA)

09:45-10:15                      *Data Challenges in a High-Tech Digital Society*

**Peter Vervest** (Erasmus Centre for Data Analytics, The Netherlands)

10:15-10:45                      *Good Cities are Goods*

**Alex Sandy Pentland** (MIT, USA)

**Mohsen Bahrami** (MIT, USA)

**Burcin Bozkaya** (MIT, USA)

**10:45-11:00**                      **Coffee break**

## **11:00-12:30**                      **SESSION 2: ADVANCES IN URBAN DATA ANALYTICS**

**Chair: Karima Kourtiti** (JADS, The Netherlands)

11:00-11:30                      *Production of City Love: A Micro-based GIS Analysis*

**John Osth** (Uppsala University, Sweden)

11:30-12:00                      *GIS and Big Data*

**Petra Staufer-Steinnocher** (WU-Vienna University, Austria)

12:00-12:30                      *Evolution of the Spatial Distribution of Industries: an Agent-Based Modeling Approach*

**Oto Hudec** (Technical University of Kosice, Slovakia)

**12:30-13:15**                      **Lunch at Brasserie Bob & Co, St. Janssingel 14**

## **13:30-15:00**                      **SESSION 3: URBAN DIAGNOSTICS**

**Chair: Gabriela Carmen Pascariu** (University of Iasi, Romania)

13:30-14:00                      *Happy People in Happy Cities: A Soul and Body Analysis*

**Mia Wahlstrom** (Tyréns, Sweden; KTH, Sweden)

14:00-14:30                      *The Impact of Assortative Matching on Income Inequality in the City*

**Jacques Poot** (University of Waikato, New Zealand)

14:30-15:00                      *A Microcosmic Approach to Urban Systems Analysis*

**Karima Kourtiti** (JADS, The Netherlands)

**Peter Nijkamp** (JADS, The Netherlands)

**15:00-15:30**                      **High-Tea Break**

**15:30-16:30**      **SESSION 4: MODELLING THE URBAN SPACE**

**Chair: Stan Geertman** (*University of Utrecht, The Netherlands*)

15:30-16:00      *Using Local Public Goods to Attract and Retain the Creative Class: A Tale of Two Cities*  
*Structural Equations Models in Urban Space*

**Amit Batabyal** (Rochester Institute of Technology, USA)

**Karima Kourtit** (JADS, The Netherlands)

**Peter Nijkamp** (JADS, The Netherlands)

16:00-16:30      *Structural Equations Models in Urban Space*  
**Bart Neuts** (University of Leuven, Belgium)

**16:30-17:15**      **SESSION 5: ELEVATOR PITCH FESTIVAL CONTRIBUTIONS ON:  
DATA ANALYTICS FOR AN INTELLIGENT CITY OF THE FUTURE**

**Chair: Willem-Jan Van Den Heuvel** (JADS, The Netherlands)

16:30-16:40      *Introduction: Impact of Energy Transition on Dutch Cities*

**Hugo Priemus** (Delft University of Technology, The Netherlands)

**Elevator pitch contributions:**

16:40-16:45      • **Fieke Van Leest** (SWECO, The Netherlands)

16:45-16:50      • **Niels Van Hal** (DataspoX, The Netherlands)

16:50-16:55      • **Marga Huijbrechts** (AgriFood Capital, The Netherlands)

16:55-17:00      • **Francisca Kapar & Dominique Delporte-Vermeiren** (Omniplabs, The Netherlands)

17:00-17:15      *Voices from the Floor 4All*

17:15-17:25      *Information and Innovation from a Regional Perspective*

**Bert Pauli** (Vice-Governor, Province of North-Brabant)

**17:25-18:00**      **JADS Reception in the Atrium**

**18:00**      **Cultural Tour & Dinner for Speakers**

Dinner speech by: **Ewald Breunese** (Royal Dutch Shell, The Netherlands)

# Programme 16 November 2018

**Date & Time:** Friday, November 16, 2018

08:30 - 17:00

**Location:** The Chapel, JADS Mariënborg Campus, Sint Janssingel 92, 's-Hertogenbosch

08:30-08:45 Coffee

## 08:45-10:15 SESSION 1: SMART POLICY FOR THE CITY OF THE FUTURE

**Chair: Tess Canfield** (Landscape Institute (CMLI), UK)

08:45-09:15 *Roboat, A Fleet of Autonomous Boats for Amsterdam*

**Carlo Ratti** (MIT, USA)

**Fabio Duarte** (MIT, USA)

09:15-09:45 *Designing a Super-Smart City by Way of Analogy*

**Laurie Schintler** (George Mason University, USA)

09:45-10:15 *Information Needs and Data Supply for Smart Cities*

**Otto Raspe** (PBL, The Netherlands Environmental Assessment Agency)

10:15-10:45 Coffee break

## 10:45-12:15 SESSION 2: INTERNATIONAL FORUM ON: NEW DATA MANAGEMENT FOR SMART SUSTAINABLE CITIES

**Chair: Pieter Everaers** (Past-Director EUROSTAT)

10:45-11:00 *Introduction: Data and Statistics in the New Urban World*

**Rudiger Ahrend** (OECD)

11:00-11:10 *Public Space in the Context of SDG Policy*

**Filiep Decorte** (UN-HABITAT, New York, USA)

11:10-11:20 *Smart, Resilient Cities and the Search for Happiness*

**Daniela Constantin** (Bucharest University of Economic Studies, Romania)

11:20-11:30 *Analysis of Smart Areas as Growth Engines*

**Fabienne Corvers** (European Commission; University of Leiden, The Netherlands)

11:30-11:40 *The Potential of Repair and Reuse for Making Cities Greener*

**Robert Kloosterman** (UvA, The Netherlands)

11:40-11:50 *Data Analytics and SDG Policy*

**Joy Mutai** (UN-HABITAT, Nairobi, Kenya)

11:50-12:00 *Spatial Proximity or Connectivity – What is Important for Next-Gen Cities*

**Vinko Mustra** (University of Split, Croatia)

12:00-12:15 *Voices from the Floor 4All*

12:30-13:15 Lunch at Brasserie Bob & Co, St. Janssingel 14

13:30 - 15:00

**SESSION 3: NEW IDEAS ON SMART CITIES FOR THE FUTURE**

**Chair: Kingsley Haynes** (George Mason University, Schar School of Policy and Government, USA)

13:30-14:00

*Institutional Innovations: Conditions for Smart Future Cities*

**Theo Toonen** (University of Twente, The Netherlands)

14:00-15:00

**Voices of the Next Gen (max. 10 min each):**

- **Evert Meijers** (TU Delft, The Netherlands):  
*Using Toponym Co-Occurrences to Measure Relationships between Places: A Novel Perspective on the Dutch Settlement System*
- **Martijn Smit** (University of Utrecht, The Netherlands):  
*Observing Everyone: The Use of Big Microdata in Regional Science*
- **Zhiling Wang** (EUR, The Netherlands):  
*Industrial Transfer Policies and Migration: Evidence from China*
- **Antonia Gravagnuolo** (CNR IRISS Naples, Italy):  
*Circular and Creative-Cultural Cities: An Evaluation Perspective*
- **Zeynep Elburz** (Dokuz Eylul University, İzmir, Turkey):  
*Infrastructure and Resilient Spatial Development*
- **Aristofanis Tsiringakis & Gert-Jan Steeneveld** (Wageningen University, The Netherlands):  
*Meteorology and the City*

15:00-15:30

**High-Tea Break**

15:30-17:00

**SESSION 4: FLY-WHEEL: INTELLIGENT URBAN POLICY: DATA NEEDS AND BARRIERS**

**Chair: Karima Kourtit** (JADS, The Netherlands)

15:30-15:40

*Introduction: Data Headaches of Local Policymakers*

**Frans Jorna** (Chief Digital Officer, Almere, The Netherlands)

15:40-16:15

**Panel Members of the Fly-Wheel:**

- **Anja Lelieveld** (Directorate Information Society and Government, BZK)
- **Emine Özyenici** (Directorate Informatisation, Ministry of Justice and Public Security, J&V)
- **Marijn Fraanje** (Chief Information Officer, The Hague, The Netherlands)

16:15-16:30

**Voices from the Floor 4All**

16:30-16:45

**The Final Word:**

- **Ger Baron** (Chief Information Officer, Amsterdam, The Netherlands):  
*Smart Cities: Love & Hate*
- **Peter Nijkamp** (JADS, The Netherlands):  
*The New Science of the City 2.0*

16:45-17:00

Ways Forward & Action Agenda for the Future

**Peter Elmlund** (Ax:son Johnson Foundation, Sweden)

**Karima Kourtit** (JADS, The Netherlands)

17:00

**Atrium: Toast on NEXT-GEN CITIES 4All, with Live Music (offered by RSA-N)**

## Welcome at Cities4People:

City governance takes place in a data-rich environment. The heterogeneity in data (volume, scale, origin, reliability, frequency, access) does not only call for an advanced data expertise ('urban data analytics'), but also for a solid, society- and people-oriented framing of governance challenges in relation to the SDG tasks of cities in our world. The need to develop and share 'new data' expertise for city management and urban policy warrants an international brainstorm conference on the theme of '**CITIES4PEOPLE: INTELLIGENT DATA ANALYTICS FOR NEXT-GEN CITIES**', with a particular view to opportunities for both modern cities in the developed world and rapidly growing cities in emerging economies. This workshop would be attended by 20-30 international experts and many Dutch participants. Such a venue would not only lead to an exchange of views and experiences, but also to the design and assessment of operational principles for urban data management. Such a meeting would not only comprise urban data experts, but also scientists and practitioners who are on a daily basis confronted with the task to collect, systematize, transform and assess new data systems as part of a smart city strategy favouring sustainable development of the city concerned. This meeting would also lead to recommendations and action strategies for urban big data management.



For more information visit <https://www.jads.nl/cities4people.html>