

BOLD Cities May 29th

Title session: Data: sport, events and health in the city.

Date: 29 mei 2017.

Location: Riviumzaal (17th floor of Tinbergen building of Erasmus Universiteit Rotterdam).

Program:

9:30 – 10:00

Speaker: Prof. Dr. Joost N. Kok

Affiliation: Leiden Centre of Data Science.

Title: Responsible Monitoring.

Abstract: Numerous entities in cities generate data. All those buildings, infrastructures, production processes and even human relationships can be monitored with the help of data science. This monitoring, in turn, can be the basis for predicting future behaviour of the entities and making decisions about them. We will show a number of our monitoring projects and discuss the responsibility issues.

10:00 – 10:30

Speaker: Mark Ruijsendaal.

Affiliation: The Hague Security Delta.

Title: Event security & Big Data: where is the fun in that?

Abstract: Events like a music festival, an unexpected sunny day at the beach or the finish of a sailing regatta: there are numerous safety and security threats that may hinder a positive experience. A lost child in the crowd, no parking space, hooligans harassing visitors, fire brigade unable to access a terrain or overcrowded locations. By combining datasets like car and train traffic approaching the event location, weather conditions forecasting, public behavior during rain and heat, social media sentiment, geolocation data analysis and other datasets, it is possible to create better situational awareness. For public security services, crowd control options, and information services for the public at the event. But where lies the data ownership, how do we build the experience to interpret the data, who has the intervention options and who benefits from this? And can we add fun features as well based on these data?

10:30 – 11:00

Coffee break

11:00 – 11:30

Speaker: Prof. Dr. Carolien Rieffe.

Affiliation: Developmental Psychology, Leiden University and UCL-Institute of Education, London, UK.

Title: Children's play and emotions in the city.

Abstract: Play is an important part of children's lives. Through play, children develop their socio-emotional skills, learn to take their losses during a game, learn to negotiate, and above all, play is fun with you can share with others and an opportunity to make friends. Despite its importance, time and places for outside play have been decreasing over the last decades. This decrease is related to the different life styles that many adults (parents) now have adapted, consisting of busy week-schedules in combination with higher concerns for children's safety outside, and a higher emphasis on children's academic performances. In addition, many children live in urban areas with limited possibilities for free play. One place that all children do have available is the school yard which is a good place during recess time. In this presentation, I will show the outcomes of a playground study, using a new technique (Radio

Frequency Identification Devices, RFID), which enabled us to follow children's social proximities to one or more other children. We related this data to other outcomes, such as play observations, parent and teacher reports. I will also discuss possibilities for future research with these RFIDs, which is especially relevant for children living in cities.

11:30 – 12:00

Speaker: Dr. Arie-Willem de Leeuw

Affiliation: Leiden Centre of Data Science.

Title: Data Science and the Leiden Marathon.

Abstract: In recent years, Data Science has become more and more important in the context of professional and recreational sports. In this talk, we focus on the data of the Leiden Marathon. In particular, we will show several data-driven observations about the participants, final times and different race strategies. Finally, I will also discuss possibilities for future research about the health of the participants.