

**Prof.dr. Piet Daas**  
**May 26, 2023**

**INAUGURAL LECTURE**  
**Big Data in**  
**Official Statistics**

**TU/e**  
EINDHOVEN  
UNIVERSITY OF  
TECHNOLOGY

**DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE**

## **INVITATION**

Prof.dr. Piet J.H. Daas was appointed part-time professor of Big Data in Official Statistics at the Department of Mathematics and Computer Science at Eindhoven University of Technology (TU/e) on January 1, 2019. He will deliver his inaugural lecture on May 26, 2023.

The Executive Board of Eindhoven University of Technology cordially invites you to attend the inaugural lecture of Prof.dr. Piet Daas on **Friday, May 26, 2023, at 4.00 PM**.

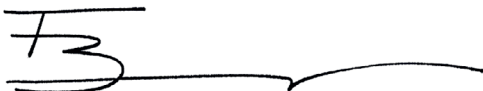
The public lecture will be delivered in the Blauwe Zaal of the Auditorium. You do not need to register. In case you can't attend, the inaugural lecture will also be streamed live at <https://vimeo.com/event/3229702> or can be viewed afterwards.

The title of the lecture is

**'Big Data in Official Statistics'**

After the lecture, drinks will be served in the Senaatszaal.

All full professors are invited to join the cortège. If you want to join the cortège, please register in advance with the GA staff secretary which organizes all academic ceremonies, telephone +31 (0)40 247 25 15, e-mail: [GA.staffsecretary@tue.nl](mailto:GA.staffsecretary@tue.nl).



**Prof.dr.ir. F.P.T. Baaijens**

Rector Magnificus

After May 26, 2023, the text of the inaugural lecture will be available online at [www.tue.nl/lectures](http://www.tue.nl/lectures).

Piet Daas (1963) obtained his MSc in Biology (1990) and PhD in the Natural Sciences (1996), both cum laude, at Radboud University in Nijmegen. After a postdoc period at the Wageningen University Laboratory of Food Chemistry (1996-2000), he started working at Statistics Netherlands ('Centraal Bureau voor de Statistiek'). Here, he became a senior methodologist at the Department of Data services, Research and Innovation and an expert in the (re-)use of existing data for statistical purposes. He has been performing pioneering studies on the use of Big Data for official statistics since 2007 and is the project leader of the corresponding research theme since 2011. He is a renowned Big Data expert and has been involved in various European, UN/UNECE and US National Academies of Sciences initiatives. He is an instructor for a number of Big Data courses at the Statistics Netherlands Academy, the Eurostat European Statistical Training Program, the European Masters of Official Statistics of Utrecht University, and the Advanced Topics in Official Statistics course of the University of Mannheim & Munich.

### **About the lecture**

In our modern world, enormous amounts of data are being generated by all kind of electronic devices and systems as well as by people online. This so-called Big Data can be used for a whole range of new (unforeseen) purposes, such as official statistics. However, when one attempts to do this, a number of statistical quality issues emerge. For instance, the data generation process is usually unknown, the data may not directly contain the concept the researcher wants to measure and the data are often produced by an unknown population. It is essential that these challenges are dealt with - in some way or another - to ensure that reliable statistics can be produced. In the lecture, the possibilities and challenges in the exciting area of using Big Data for official statistics are discussed and illustrated with examples, whereby not only the importance but also the downside of Data Science techniques become apparent.

**Visiting address** Auditorium, Building 1, Groene Loper, Eindhoven

**Navigation address** De Zaaie, Eindhoven, [www.tue.nl/map](http://www.tue.nl/map)