

IWR Colloquium Summer Term 2018

June 27, 2018 / 14:15h

**Mathematikon, Conference Room / 5th Floor
Im Neuenheimer Feld 205, 69120 Heidelberg**

Speaker:

Prof. Roderik Lindenbergh • TU Delft, Netherlands

Title:

“Robust geometry extraction in large spatial point clouds”

Abstract:

Laser scanning efficiently samples our urban and natural environment. LIDAR systems on tripods, cars, drones, planes and even backpacks are able to collect billions of 3D points in a few hours. What remains challenging is to automatically extract valid geometric information from these point clouds in a similarly efficient way. In the presentation issues with these point clouds will be discussed, followed by some overview of methods to extract geometric information on e.g. trees, traffic signs, tunnels or beaches in a robust and computationally efficient way.

Website Prof. Lindenbergh:

www.tudelft.nl/citg/over-faculteit/afdelingen/geoscience-remote-sensing/staff/scientific-staff/dr-rc-roderik-lindenbergh

Website IWR-Colloquium:

www.iwr.uni-heidelberg.de/iwr-colloquium