

Internet Traffic Analysis at Scale

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ABSTRACT

In this talk, I will use multiple internet measurement studies as examples to outline the challenges that we face when performing internet-scale traffic analysis, including implications of the COVID-19 pandemic on internet traffic as well as detecting IoT devices through the lens of an ISP. Using this as motivation, I will discuss the challenges of working with network-wide flow data and correlating such data with other datasets.

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BIOGRAPHY

Anja Feldmann got her Ph.D. from Carnegie Mellon University in 1995. The next four years, she did research work at AT&T Labs Research, before taking professor positions at Saarland University, TU Munich, and TU Berlin. From May 2012 to December 2018, she served on the Supervisory Board of SAP SE. Since the beginning of 2018, Anja is a director at the Max Planck Institute for Informatics in Saarbrücken, Germany. She is amongst others a member of the German National Academy of Science (Leopoldina) and of Science and Engineering (acatech). Her current research interests include internet measurement, network performance debugging, and network architecture.

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