

informatik-Kolloquium

Der Fachbereich Informatik der Johannes Kepler Universität Linz¹ lädt in Zusammenarbeit mit der Österreichischen Gesellschaft für Informatik (ÖGI) zu folgendem Vortrag ein:

Topic: **Big data processing with applications in Telecommunications**

Presenter: **Ian Marsh (SICS, Stockholm)**

Date: **November 20th, 2015, 10:15 – 11:15**

Location: **Johannes Kepler University Linz,
Science Park 3, 055**

Abstract:

In this talk we will give an overview of the processing techniques for large amounts of telecommunications data. Big data is “defined” by IBM as Volume, Variety, Veracity and Velocity of the data flow. In this talk we will give an introduction to the subject of processing data which conform to one or more of the V’s mentioned. A gentle introduction to computing platforms and common data processing languages will be given. Applications of big data processing including anomaly detection and clustering wanted artifacts will exemplify processing steps. An example of data clustering according to a “good” or “bad” network connection will be shown. One example from a real 3G dataset are included with an application of caching network to reduce network latency will be eluded. Open issues within big data processing such as privacy preservation for data releases, and legal issues with capture and retention of big telecom data will conclude the talk.

Short Bio:

Ian Marsh received his B.Sc degree in Physics and Computer Science and his M.Sc degree in System Design, both from Manchester University. Based on his research on quality aspects of Internet Telephony, he received his Ph.D. degree in Telecommunications from KTH, Sweden, in 2009. Since 1995, he is with the Swedish Institute of Computer Science (SICS), and he has been working as a Post-doctoral Researcher at the University of Porto, Portugal, from 2009 to 2011. His current research interests include caching of popular Internet objects and distributed Internet measurements using commodity hardware and community software.

*Univ.-Prof. Dr. Andreas Springer
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¹ Der Fachbereich (<http://informatik.jku.at>) besteht aus folgenden Instituten:
Application Oriented Knowledge Processing (FAW), Bioinformatics, Computational Perception, Computer Architecture, Applied Systems Research and Statistics, Computer Graphics, Formal Models and Verification, Networks and Security, Integrated Circuits, Pervasive Computing, Software Systems Engineering, System Software, Telecooperation, Signal Processing