Лекція 14.11.22
Speaker – Professor Christian Becker, Stuttgart University, Germany

Title:
Experiences and lessons learned from a serverless edge computing platform

Erfahrungen aus der Entwicklung einer Serverless Edge Computing Plattform

Abstract - In this talk I will reflect on some experience we made in a 10 year project on edge computing.
We started on utilizing excess capacity in the cloud. After measurements we found out that latency can be substantially reduced when computing is placed close to client devices. We did substantial modifications on the architecture over the time and explored scheduling with different goals. At the end I will briefly discuss our current limitations and thoughts for a new approach.

Bio: Christian Becker is a full professor for Computer Science at the University of Stuttgart since April 2022. Prior to that he was a full professor for Information Systems at the University of Mannheim from 2006 till 2022. Christian was Dean and Vice of the Business School at the University of Mannheim from 2018 till 2021. Christian studied Computer Science at the Universities of Karlsruhe and Kaiserslautern where he graduated in 1996. He received his PhD from the University of Frankfurt in 2001. In 2001 he joined the distributed systems group at the University of Stuttgart as Post Doc. In 2004 he received the venia legendi (Habilitation) for Computer Science (Informatik). Christian's research interests are Distributed Systems and Context-Aware Computing. He is specifically interested in architectures for adaptive systems and their application to distributed systems. Christian has published more than 200 technical papers. He is a member of the IEEE Pervasive Computing and Communication Conference (PerCom) steering committee. Christian is active in the community, e.g., he was general chair of IEEE PerCom in 2010, TPC chair in 2016. He was/is general chair of IEEE Mobile Data Management in 2007 and 2023 and contributed to many other scientific venues.