

## Keynote Talk

### From Research to Reality: Releasing System Software to the Masses

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*In this talk I will share some of our experiences made so far while transitioning a university-founded research project into real life. Work on L4 systems started about two decades ago and has gone through various ups and downs. With our latest version, the L4Re system, we finally had the opportunity to be part of technologically challenging projects that gave us the possibility to found our company, Kernkonzept, and move on beyond university's life. Our projects since then include a multi-VM secure smartphone and world's first open-source bare-metal hypervisor platform for the MIPS architecture. The ride might be bumpy from time to time, but it is well worth pursuing.*

Dr. Adam Lackorzynski is a post-doctoral researcher with Prof. Hermann Härtig and the Operating-Systems Group of Technische Universität Dresden. He is a co-founder of Kernkonzept, the technology company behind L4Re, a microkernel-based operating system framework. Adam received his Ph.D. in Computer Science from Technische Universität Dresden. His research interests focus on secure operating systems for real-time and virtualization use-cases in a wide range of application fields. The L4Re system universally targets these fields and is being applied, for example, in secure communication devices such as mobile phones and routers. Adam is a main architect of the L4Re system, which originated from TU Dresden and is now being developed by Kernkonzept.

