

Simple System Software

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09:20 am - 10:50 am

Room: Lecture Hall, Würzburger Straße 46, 01187 Dresden

Abstract: The KOS ("Chaos") project is building a new operating system kernel (and surrounding software infrastructure as needed) to study mechanisms and algorithms for many-core, multi-socket computer systems with deep CPU/memory caching hierarchies. The design objectives for the KOS software are simplicity and structural clarity, while the research goals are rooted in the autonomic-computing concept of self-management.

Bio: Martin Karsten obtained his university degree in joint business administration and computer science from the University of Mannheim. He received his doctoral degree in computer science from TU Darmstadt in 2000. He later joined the University of Waterloo in 2002 where he is currently an Associate Professor in the David R. Cheriton School of Computer Science. His main research interest is the systems-level software infrastructure of networks and distributed systems.

