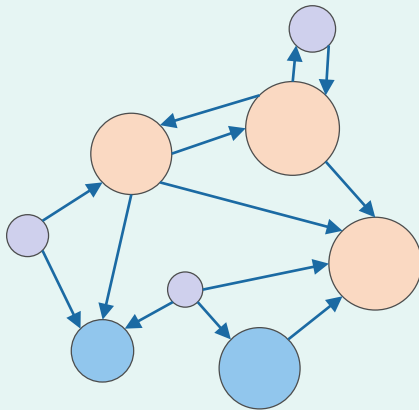


Topic for a Diploma- or Master Thesis

Asynchronous PageRank calculation on a NUMA-Aware, In-Memory Graph Processing Engine

At our chair, we are developing and permanently enhancing our in-memory database engine, called ERIS. Now, we want to advance with our graph processing component to enable ERIS for a parallel, asynchronous **PageRank** computation.



Your tasks

- Digging into a highly parallel database engine
- Develop concepts for parallel PageRank computation in a NUMA system
- Implementing, testing, and evaluating your approach

Your skills

- Experience in C++
- Understanding of Graphs
- You can work independently

You are interested but have never worked with graphs?

No problem! Just stop by and we discuss the basics!

Email: Alexander.Krause@tu-dresden.de