

## **Libmemkind - Heap Manager for heterogeneous memory architectures**

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### **Abstract**

Dynamic evolution of random-access memory in recent years brought the hardware table memories with various characteristics. New types of memory like MCDRAM or Intel® Optane™ DC persistent memory gave us new possibilities but also new challenges. The solution to some of those challenges is a memkind library. Existing applications could benefit from a diversity of memory technologies – the combination of various memories could be easily handled and managed by libmemkind. I will be talking about the current status of the memkind library, its possibilities and what the future holds in store for it.

### **Bio**

Michal Biesek is a software engineer in Intel Corporation's Non-Volatile Memory Solution Group since 2018. His area of expertise lies in a volatile usage of persistent memory and enabling existing applications to persistent memory. He is also a lead developer in libmemkind project. Michal holds a master's degree in Electronics and Telecommunications from the Gdańsk University of Technology, Poland.