MIM WEBINARS

AN IN-MEMORY COMPUTING SERIES

Next Talk: 07/June/2021, 4-5:30pm CET

UPMEM DPU, ARCHITECTURE OF THE FIRST COMMERCIALLY AVAILABLE PIM SYSTEM

Fabrice Devaux, UPmem

In this talk, we will present UPMEM PIM-DRAM, a disruptive, efficient, and scalable Processing In-Memory engine that will significantly contribute to this progress, covering most needs for upcoming digital intelligence and service, unleashing the horizon and impact of application developers. We will have a look into the architecture of UPMEM DPU, its supported programming paradigms and some examples of application benefiting from UPMEM DPU and their achieved speed-up. We then delve deeper into different aspects of logic on DRAM and close by presenting a perspective on what is likely and feasible to implement on DRAM (and what is not!), as well as the challenges of integrating a PIM memory into a legacy system.

More information about the event and the speaker:
https://www.ict.tuwien.ac.at/staff/taherinejad/MiM/

Mondays in Memory (MIM) is a free biweekly webinar series open to everyone around the world and dedicated to all aspects and technologies related to in-memory computing (including, in a broader sense, near-memory computing too). MIM will be held on the first and third Monday of each month (starting in May 2021) at 4pm CET (7am Pacific time, and 10pm Beijing time).
Each webinar starts with a 40mins talk by a speaker, followed up with a 40mins questions and discussions with the speaker and two panel members. Dr. Nima Taherinejad hosts the webinars, and together with his team they organize the MiM series.

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Fabrice Devaux is the CTO and a co-founder of UPMEM, a fabless semiconductor company based in Grenoble, France. UPMEM is a leading company in Processor-in-Memory technologies. Before co-founding UPMEM in 2015 (based on a project that began in 2013), he was in Trango Virtual Processor, an embedded Hupervisor company that he founded in 2003 and sold to VMWARE in 2008. From 1993-2003 he worked as an ASIC designer, micro-architect, and architect at various companies. For more information, please see his webpage at http://www.upmem.com .