

Hardware Support for Cloud Database Systems in the Artificial Intelligence Era

Dagstuhl Seminar 26392, Sep 20-25 2026



Sunday [Arrival]	
Until 3pm	Self-service check-in
3:00-7:00	Check-in
After 6pm	Buffet cold cuts dinner
After 7pm	Self-service check-in

Monday [Setting the stage]		
7:30-8:45	Breakfast	
9:00	Welcome	Organizers
9:15	Self-introductions: name, affiliation, area, a non-technical thing about you	All
9:45	Overview: Datacenter Hardware	Matteo (Microsoft) Dave (Berkeley)
10:30	Discussion: Data Center Hardware	All
11:00	Overview: Databases in the age of AI	Peter (CWI) David (Google)
11:45	Discussion: Databases in the age of AI	All
12:15	Lunch (assigned tables – check placecards)	
2:00	Impulse Talk: The role of the CPU and Accelerators in the Agentic Age	Cliff (Google) Gustavo (ETH)
2:45	Discussion: The role of the CPU and Accelerators in the Agentic Age	All
3:20	Break (Kaffee und Kuchen available) @ restaurant	
3:50	Impulse Talk: Memory / Storage	Pinar (ITU) Ioan (MSR)
4:30	Discussion: Memory / Storage	All
4:50	Memory-Centric Designs	Jana (TUM) Tianzheng (SFU)
5:30	Discussion: Memory Centric Design	All
5:45	Personal Time	
6:00	Dinner (assigned tables – check placecards)	
8:00	Whining and cheese @ Wine Cellar	

Tuesday [Deciding the Groups]		
7:30-8:45	Breakfast	
9:00	Morning Sync	Organizers
9:10	Impulse Talk: Programmability	Michael (Aalto U) Olivia (CMU)
9:50	Discussion: Programmability	All
10:30	Break	
10:45	Impulse Talk: Correctness	Margo (UBC) Viktor (TUM)
11:30	Discussion: Correctness	All
12:15	Lunch (Think of Group Topics)	
1:45	Group Picture (meet in front of the seminar building)	
2:00	Impulse Talk: Sustainability	Tillman (HPI) Natassa (EPFL)
2:45	Discussion: Sustainability	All
3:00	Break (Kaffee und Kuchen available)	At the garden by the restaurant
3:30	Panel: HW-SW Codesign or AI-AI Codesign?	
4:45	Define possible futures and discussion group topics (4-5 groups)	
5:30	Personal Time	
6:00	Dinner	
8:00	Whining and cheese @ Wine Cellar TBD	

Wednesday [Group Discussions and Outing]		
7:30-8:45	Breakfast	
9:00	Planning our day	Organizers
9:15	Discussion Groups Meet	Groups
11:30	Discussion Groups Report	Group Leads
12:00	Lunch	
1:00	1:00 - 1:40: Bus Ride 2:00 - 3:30: Boat Ride 3:30 - 4:10: Bus Ride 4:10 - 7:30: Brewery 7:30 - 8:10: Bus Ride to Dagstuhl	
8ish	Whining and cheese @ Wine Cellar TBD	

Thursday [Consolidation, Future Steps]		
7:30-8:45	Breakfast	
9:00	Planning our day	Organizers
9:15	Group Discussion Meet	Groups
10:15	Break	
10:30	Group Discussion Meet & Paper Writing	Groups
12:15	Lunch	
2:00	What's the story with storage hardware for databases in the cloud/AI era?	Alberto (Computing Flows)
2:20	Discussion	
2:45	Group Report or Group Paper Writing	All [Vote @ Lunch]
3:00	Break (Kaffee und Kuchen available)	
3:30	Group Paper Writing	Groups
6:15	Dinner @ Landgasthof Paulus	
8:00	Whining and cheese @ Wine Cellar TBD	

Friday [Wrap-up]		
7:30-8:45	Breakfast	
9:00	Group Paper Writing and Wrap-up	Groups
10:30	Group Report	Group Leads
11:45	Conclusion	All
12:15	Lunch	
12:45 - 2:00	Cabs to Türkismühle	Organized during the seminar