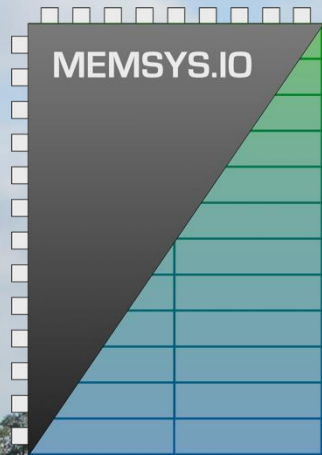




Welcome to the 11th MEMSYS

October 6th - 8th 2025, Washington D.C.

Organization Team

General Chair:



Bruce Jacob (USNA)

Program Chair:

Web Chair and MemSys Guru



Hameed Badawy
(NMSU)



Matthias Jung
(JMU)

Publication and Publicity Chair:



Wendy Elsasser
(Rambus)



Chen Ding
(U. Rochester)

Problem Solver:



Valerie Jacob
(MEMSYS)

Program

	Monday, September 30th	Tuesday, October 7th
8:00		Breakfast
8:50		Opening Remarks
9:00		Keynote: Algorithm-Driven Codesign of Specialized Architectures for Energy Efficient AI and HPC John Shalf
10:00		Break
Session (10:20 – 12)		1: The CXL Ecosystem
12:00 – 13:30		Lunch
Session (13:30 – 14:50)		2: Emerging Tech and Reliability
14:50 – 15:10		Break
Session (15:10 – 16:30)		3: Optimizing DRAM
16:40 – 16:50		Break
Session (16:50 – 18:05)		Special Session: Memory Security
18:05	Welcome Reception and Poster Session	Spirited Discussion/Panel
19:00		TPC Dinner

Program

Wednesday, October 8th	
8:00	Breakfast
9:00	Keynote: Tales from the Front Line of the AI Wars ... a fireside chat Ken Wright, AMD
10:00	Break
Session (10:20 – 11:40)	4: PIM & AI Accelerators
11:40 – 13:10	Lunch
Session (13:10 – 14:30)	5: Performance Modeling & Analysis Frameworks
14:30 – 14:50	Break
Session (14:50 – 16:10)	6: Cache, Locality, & System SW
16:10 – 16:30	Break
Session (16:30 – 18:00)	Spirited Discussion/ Panel: Memory Systems in the Age of AI
18:00	Awards & Conference Closing Remarks

<https://www.memsys.io/presentation-upload/>

Keynotes



John Shalf (Lawrence Berkeley National Lab)

Keynote 1: Algorithm-Driven Codesign of Specialized Architectures for Energy Efficient AI and HPC



Kenneth Wright (AMD)

Keynote 2: Tales from the Front Line of the AI Wars ... a fireside chat

Panel 1. (Emerging Threats and Defenses in Memory Hierarchy at 6:05pm)

- **Bruce Jacob (Moderator)**
- **William Casey (USNA)**
- **Avinash Srinivasan (USNA)**
- **Jennie Hill (USNA)**
- **Ahmed Patooghy (NC A&T)**
- **All the audience**

Panel 2. (Memory Systems in the Age of AI: Challenges and Opportunities, Wednesday @4:30pm)

- **Kevin Skadron (UVA, Moderator)**
- **John Shalf (LBNL)**
- **Roberto Gioiosa (PNNL)**
- **Chen Ding (U Rochester)**
- **Dorin Partu (RIT)**
- **David Black-Schaffer (Uppsala)**

Conference Dinner (s)

TPC Dinner (Tuesday)

- We will announce it during the day

Thanks to our Sponsor



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