



Agentic OS

The 1st Workshop on Operating Systems Design for AI Agents



March 23, 2026



Pittsburgh, PA



1:30 – 6:00 PM EDT

<https://os-for-agent.github.io/>

About This Workshop

“ AI agents are evolving from prototypes to always-on services that autonomously plan, invoke tools, and interact with their environment. **Operating systems must become *agentic*.** ”

Topics: OS abstractions for agents · sandboxing & runtimes · scheduling & resource management · agent state & memory · eBPF observability · GPU virtualization · security & isolation · agents managing systems

Program Committee and Organizers

Program Committee (Chair: Dong Li, UC Merced)

Dan Williams (Virginia Tech) · Yiying Zhang (UCSD) · Wei Zhang (UConn) · Michael Swift (UW-Madison) · Dmitrii Ustiugov (NTU Singapore) · Mingxing Zhang (Tsinghua) · Mengwei Xu (BUPT) · Mingyu Li (CAS) · Gan Fang (Roblox) · Mark Wu (Roblox)

Organizers

Cong Wang, Founder & CEO, Multikernel Technologies

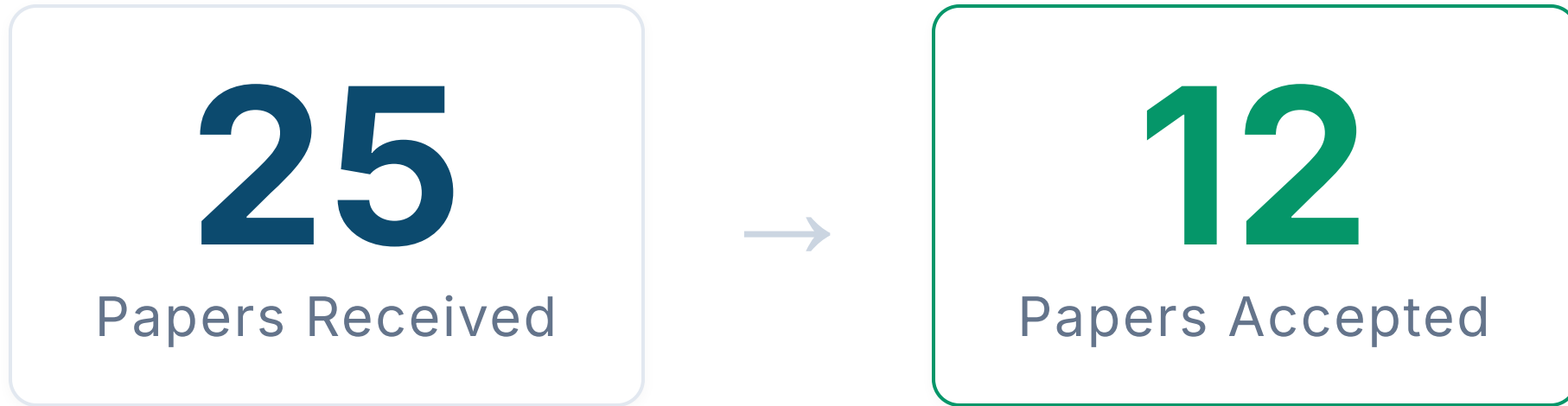
Dong Du, Assistant Professor, Shanghai Jiao Tong University

Huaizheng Zhang, Staff Research Scientist, ByteDance

Wenhui Zhang, Senior Software Engineer, Roblox

Yusheng Zheng, PhD Student, UC Santa Cruz

Submissions & Acceptance



Acceptance rate: 48%

- **7** research papers (up to 6 pages) • **5** vision papers (1–2 pages)
- Each submission received at least **two reviews**

Talk Format & Q&A

- This workshop is being recorded
- **Research papers:** 15 min (12 min talk + 3 min Q&A)
- **Vision papers:** 10 min (8 min talk + 2 min Q&A)
- Please hold questions until the end of each talk
- Time signals: **2-min warning** before your time is up
- All accepted papers and presentation slides will be made available on the website

Today's Schedule

Time (EDT)	Session	Details
1:30 – 1:35	Opening	Opening Remarks
1:35 – 2:00	Keynote	Keynote by Prof. Dan Williams (25 min)
2:00 – 3:30	Papers	Session 1 - 7 papers (research + vision)
3:30 – 4:00	Break	Break (with snacks & beverages) (30 min)
4:00 – 4:15	Invited Talk	Guanlan Dai
4:15 – 5:20	Papers	Session 2 - 5 papers (research + vision)
5:20 – 5:25	Awards	Best Paper Awards + Closing
5:25 – 6:00	Social	Networking
6:30	Social	Social Dinner

Acknowledgments

- All authors for their submissions; we received many strong papers and wish our half-day format allowed us to accept more
- Our program committee for their thorough and timely reviews
- Workshop organizers for putting everything together
- The ASPLOS 2026 conference for hosting us
- Most importantly, all of you for joining the inaugural Agentic OS!



2nd Agentic OS Workshop Is Coming!

Co-located with **SOSP 2026**



September 29, 2026



Prague, Czechia

<https://sigops.org/s/conferences/sosp/2026/workshops.html>

We look forward to your submissions!

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