



SC23
Denver, CO | i am hpc.

3rd International Workshop on RESource DISaggregation in High-Performance Computing (RESDIS'23)

<https://resdis.github.io/>

Balazs Gerofi - Intel Corporation, USA & RIKEN, Japan
Christian Pinto – IBM Research Europe, Ireland
John Shalf - Lawrence Berkeley National Laboratory, USA



Disaggregation and Composable Systems @ SC'23

- Disaggregation continues to dominate at the conference
- Related panels, BoFs, papers, workshops
- Field is advancing rapidly
- Various companies demonstrating related products



Pooled memory @ Micron, Microchip, Intel, etc.



Applications of memory disaggregation @ Samsung, Intel, ZeroPoint, etc.



Composability/Fabrics @ Gigal/O, Liquid, Xconn/H3, Lightelligence, etc.



Logistics & General Notes

- No Q&A right after the talks, but joint Panel/Q&A at the end of the workshop
 - Use the online tool to queue your questions!
- Proceedings is available online:
 - <https://dl.acm.org/doi/proceedings/10.1145/3624062>
- Hybrid meeting (in-person & online)
 - The meeting is being recorded
 - Recording will be made available until 1st of Jan 2024 for SC'23 attendees
- In-person participants
 - Please use the microphone when asking questions so that remote participants can hear them
- Online participants
 - Audio/video stream is delayed (15 seconds?) and non-interactive, please ask questions using the online tool



Agenda

- 08:30 **Welcome and Introduction**
- 08:35 **Keynote: The Open Chiplet Economy and its Application to HPC**
Bapiraju Vinnakota (Lawrence Berkeley National Laboratory)
- 09:20 **Sunfish: An Open Centralized Composable HPC Management Framework**
Phil Cayton (Intel Corporation), Michael Aguilar (Sandia National Laboratories), and Christian Pinto (IBM Research Europe)
- 09:40 **RISA: Round-Robin Intra-Rack Friendly Scheduling Algorithm for Disaggregated Datacenters**
Rashadul Kabir (Colorado State University), Ryan G. Kim (Intel Corporation), Mahdi Nikdast (Colorado State University)
- 10:00 *Coffee Break*
- 10:30 **Disaggregation in Practice: Industry Session**
*Phillip Clark (Liqid),
Jianping Jiang (XConn),
John Ihnotic (GigaIO),
Keren Bergman (Xscape Photonics)*
- 11:10 **Panel Discussion and Q&A**
*Michael Aguilar (Sandia National Laboratories), Rashadul Kabir (Colorado State University), Phillip Clark (Liqid), Jianping Jiang (XConn),
John Ihnotic (GigaIO), Keren Bergman (Xscape Photonics)*
- 12:00 **Adjourn**



We hope you will enjoy the workshop!

