

Message from the General Chairs

HOTI 2023

For over 25 years, Hot Interconnects has been a venue for discussions on cutting-edge network products, innovations in the network ecosystem, and a venue for introducing new network products in both software and hardware. This tradition continues with the 30th edition of the conference and it is reflected in the great program we have planned for HOTI 2023. This year will continue to be an online-only event and we expect over 1000 participants from all over the world.

We have a fantastic selection of keynotes and presentations this year, covering a breadth of networking expertise. Starting the conference off, Bill Dally, Chief Scientist and SVP of Research at NVIDIA, will be discussing the latest in networks at NVIDIA. Then after sponsor talks and paper sessions the first day ends with a panel of seven industry experts discussing “Accelerator Networks”. With this all-star set of panelists, this is sure to be a highlight of the conference.

The second day features two keynotes. The first by Robert Hormuth, Corporate Vice President of Architecture and Strategy of the Datacenter at AMD, describing industry trends of high performance networking. The second keynote is from Nick Harris, CEO of Lightmatter who will detail “Ultra-high density photonic interconnect and circuit switching up to the wafer-level with Passage.”

The third day features a great selection of tutorials from distinguished speakers covering everything from DPUs to the ins and outs of low-level communication APIs and profiling. And there’s even a session on High-Performance ML and Data Science.

A vote of thanks goes to the organizing committee, program committee, and tutorial committee co-chairs: Rohit Zambre, Ryan Grant, Sayan Ghosh, Scott Levy, Nicola Andriolli, Sudheer Chunduri, Whit Schonbier, Amanda Bienz and Dave Ozog. Thanks to our steering committee, particularly Dan Pitt and Don Draper, who has guided and mentored us on the important decisions. Our webchairs Jan Ciesko and Emilio Paolini, who brought a great new look to the conference and to Artem Polyakov for his work as Publicity Chair. Thanks to Subhadeep Bhattacharya and Anna Giannakou who took over the important responsibility of creating a seamless online conference experience. Dan Pitt, Fabrizio Petrini, Alan Benjamin, and Manju Gorentla Venkata put together an outstanding group of panelists and keynotes. Thanks to the efforts of Raj Channa, Luca Valcarenghi, and Jim Dinan, for handling finances and pursuing sponsors to create a strong foundation for the conference. They have recruited a great set of sponsors including Cornelis, Huawei, IBM, Arista, Nutanix, Lenovo, and Algo-Logic. Because of the contributions of these sponsors, we are able to again offer the conference with free registration. We thank the technical paper authors, keynote and tutorial presenters, and panelists for their valuable contributions.

Taylor Groves, *Lightmatter*
HOTI 2023 General Chair

Matthew Dosanjh, *Sandia National Laboratories*
HOTI 2023 General Vice-Chair