

# SPAA 2025 Workshop/Tutorial Schedule

8:00 – 10:30	<b>Tutorial:</b> Concurrent Data Structures in RDMA (Vitaly Aksenov, Amanda Baran, Alex Clevenger, Roberto Palmieri, Yaodong Sheng, and Michael Spear)
10:30 – 11:00	<b>Morning break</b>
11:00 – 12:30	<b>Tutorial:</b> Parallelizing Sequential Iterative Algorithms (Yan Gu)
12:30 – 2:00	<b>Lunch Break</b>
2:00 – 3:30	<b>Tutorial:</b> Parallel Clustering (Laxman Dhulipala, Willem Fletcher, Ellis Hershkowitz, Kishen N Gowda)
3:30 – 3:55	<b>Afternoon break</b>
(The following schedule is for <b>HOPC 2025</b> )	
3:55 – 4:00	Opening Remark
<b>Session I: Data Structures (Session Chair: Yan Gu)</b>	
4:00 – 4:17	Lock-Free Augmented Trees
4:18 – 4:35	Parallel kd-tree with Batch Updates
4:36 – 4:53	Dynamic Mesh Processing on the GPU
<b>Session II: Graphs (Session Chair: Laxman Dhulipala)</b>	
5:00 – 5:17	Parallel k-Core Decomposition: Theory and Practice
5:18 – 5:35	Parallel Contraction Hierarchies Can Be Efficient and Scalable
5:36 – 5:53	Towards Scalable and Practical Batch-Dynamic Connectivity
5:54 – 6:11	Parallel Cluster-BFS and Applications to Shortest Paths
<b>Session III: Communication (Session Chair: Yan Gu)</b>	
6:20 – 6:37	A Family of Post-Exascale Networks
6:38 – 6:55	Cases When Communicating More is Faster
<b>Reception</b>	
7:00 – 8:30	HOPC poster session