

Performance Tools and Debugger: Introduction

JaeHyuk Kwack, Scott Parker
Argonne National Laboratory

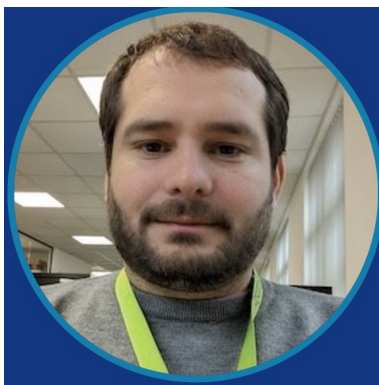
Team for Tools Track



JaeHyuk Kwack
(Argonne)



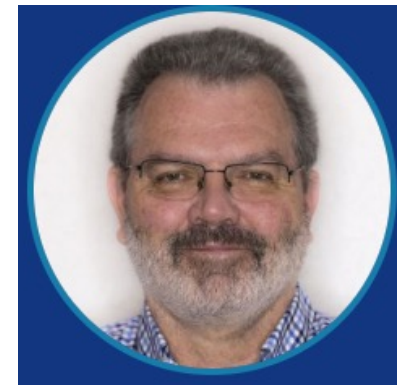
Scott Parker
(Argonne)



Rudy Shand
(Linaro)



Sameer Shande
(Univ. of Oregon / Paratools)



John Mellor-Crummey
(Rice Univ.)

Agenda

Track 6 — Tools

8:30 a.m.	Introduction of Tools Track	JaeHyuk Kwack , ANL Scott Parker , ANL
8:35 a.m.	Linaro Tools	Rudy Shand , Linaro
10:20 a.m.	Break	
10:45 a.m.	TAU	Sameer Shende , Univ. of Oregon / ParaTools, Inc.
12:30 p.m.	Lunch	
1:30 p.m.	HPCToolkit	John Mellor-Crummey , Rice
3:15 p.m.	Break	
3:45 p.m.	Roofline performance model	JaeHyuk Kwack , ANL
5:30 p.m.	Panel discussion, led by Scott Parker , ANL	Rudy Shand , Linaro Sameer Shende , Univ. of Oregon / ParaTools, Inc. John Mellor-Crummey , Rice JaeHyuk Kwack , ANL
6:30 p.m.	Dinner	
7:30 p.m.	Networking Event	

Updated Agenda

Start	Topic	Speaker
11:00 am	Intro	JaeHyuk Kwack
11:05 am	Linaro tools	Rudy Shand
12:30 pm	Lunch	
1:30 pm	TAU	Sameer Shende
2:55 pm	HPCToolkit	John Mellor-Crummey
4:20 pm	PM break	
4:40 pm	Roofline model	JaeHyuk Kwack
6:00 pm	Panel discussion, led by Scott Parker	Rudy Shand, Sammer Shende, John Mellor-Crummey
6:30 pm	Dinner	
7:30 pm	Additional hands-on session	
9:00 pm	adjourn	

Systems for Hands-on

- ALCF system reservation for today
 - Polaris: 160 nodes, 8am – 7pm (-q ATPESC -A ATPESC2025)
 - Aurora: 512 nodes, 8am – 7pm (-q ATPESC -A ATPESC2025)
 - Big runs:
 - Polaris: 300 nodes, 9:30pm – 6am (-q ATPESC_Big_Run -A ATPESC2024)
 - Aurora: 1024 nodes, 9:30pm – 6am (-q ATPESC_Big_Run -A ATPESC2024)
- OLCF Odo system: no reservation, but usable with the default queue (with -A trn038)
 - `$ salloc -A trn038 -t 1:00:00 -p batch -N 1`

Enjoy!

ARGONNE ATPESC2025 EXTREME - SCALE COMPUTING

ARGONNE TRAINING PROGRAM ON EXTREME-SCALE COMPUTING

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