



# AMD Presentation Roadmap

George Markomanolis

**AMD**   
together we advance\_

# Day 1 Schedule – May 2<sup>nd</sup>, 2023

Time	Topic	Presenter
13:00	CASTIEL Intro	Blazkova & Koch
13:10	AMD Presentation Roadmap	Markomanolis
13:20	Introduction to the System for Exercises	Markomanolis
13:35	Introduction to AMD Architecture	Markomanolis
14:00	Break	
14:15	Introduction to HIP	Markomanolis
15:15	HIP Exercises	Markomanolis
15:45	HIPFort	Robey
16:00	Break	
16:15	Porting applications to HIP	Robey
16:40	Porting exercises	Robey
16:55	Wrapup	Markomanolis

## Day 2 Schedule – May 3<sup>rd</sup>, 2023

Time	Topic	Presenter
13:00	Getting Started with OpenMP® Offload Applications on AMD Accelerators	Noudohouenou
13:50	OpenMP® exercises	Noudohouenou
14:30	Break	
14:45	OpenACC	Robey
15:00	Advanced OpenMP® offloading	
16:00	Break	Chang, Robey
16:10	Kokkos/Performance Portable Languages	Robey
16:40	Kokkos Exercises	Robey
16:55	Wrapup	Robey

## Day 3 Schedule – May 4<sup>th</sup>, 2023

Time	Topic	Presenter
13:00	AMD Node Memory Model	Robey
13:40	Memory Model Exercises	Robey
14:00	Break	
14:15	GPU-Aware MPI	Ghazimirsaeed
14:45	GPU Aware MPI Exercises	Ghazimirsaeed
15:00	Break	
15:15	Affinity — Placement, Ordering and Binding	Sitaraman
16:30	Affinity exercises	Sitaraman
16:55	Wrapup	Robey

# Day 4 Schedule – May 5<sup>th</sup>, 2023

Time	Topic	Presenter
13:00	Introduction to Rocprof	Robey
13:10	Rocprof Exercises	Robey
13:20	Introduction to Omnitrace	Markomanolis
13:35	Omnitrace Exercises	Markomanolis
14:00	Break	
14:15	Introduction to Omniperf	Markomanolis
15:15	Exercises – Omniperf	Markomanolis
16:00	Break	
16:15	Debuggers - rocgdb	Robey
16:55	Wrapup	Markomanolis

# Notes

- Slides from these presentations are at [/project/project\\_465000380/slides](/project/project_465000380/slides)
- Exercises: [https://hackmd.io/@gmarkoma/eurocc\\_amd\\_training](https://hackmd.io/@gmarkoma/eurocc_amd_training)
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