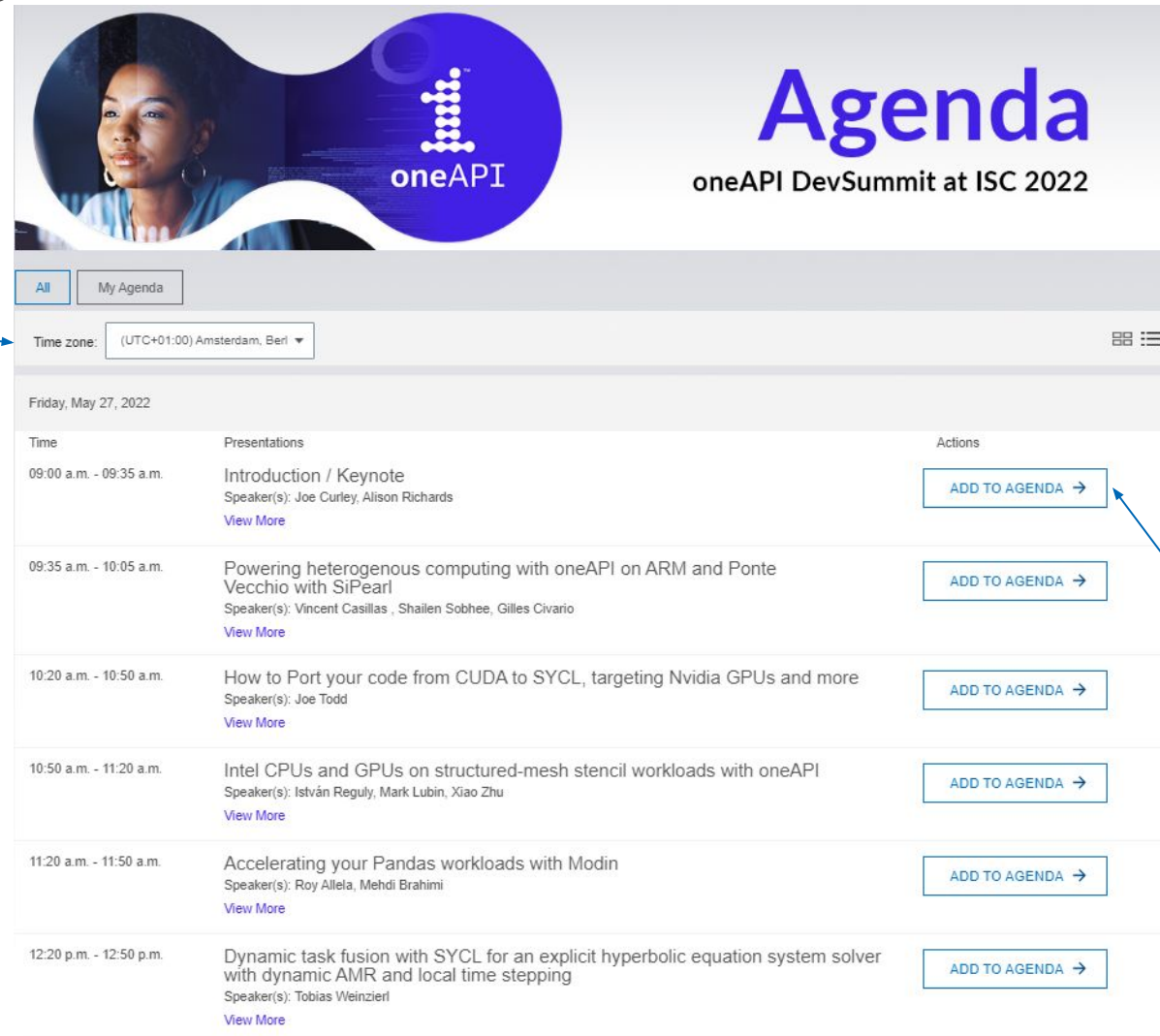


oneAPI DevSummit at ISC 2022

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Time	Presentations	Actions
09:00 a.m. - 09:35 a.m.	Introduction / Keynote Speaker(s): Joe Curley, Alison Richards View More	ADD TO AGENDA →
09:35 a.m. - 10:05 a.m.	Powering heterogenous computing with oneAPI on ARM and Ponte Vecchio with SiPearl Speaker(s): Vincent Casillas, Shailen Sobhee, Gilles Civario View More	ADD TO AGENDA →
10:20 a.m. - 10:50 a.m.	How to Port your code from CUDA to SYCL, targeting Nvidia GPUs and more Speaker(s): Joe Todd View More	ADD TO AGENDA →
10:50 a.m. - 11:20 a.m.	Intel CPUs and GPUs on structured-mesh stencil workloads with oneAPI Speaker(s): István Reguly, Mark Lubin, Xiao Zhu View More	ADD TO AGENDA →
11:20 a.m. - 11:50 a.m.	Accelerating your Pandas workloads with Modin Speaker(s): Roy Allela, Mehdi Brahimi View More	ADD TO AGENDA →
12:20 p.m. - 12:50 p.m.	Dynamic task fusion with SYCL for an explicit hyperbolic equation system solver with dynamic AMR and local time stepping Speaker(s): Tobias Weinzierl View More	ADD TO AGENDA →

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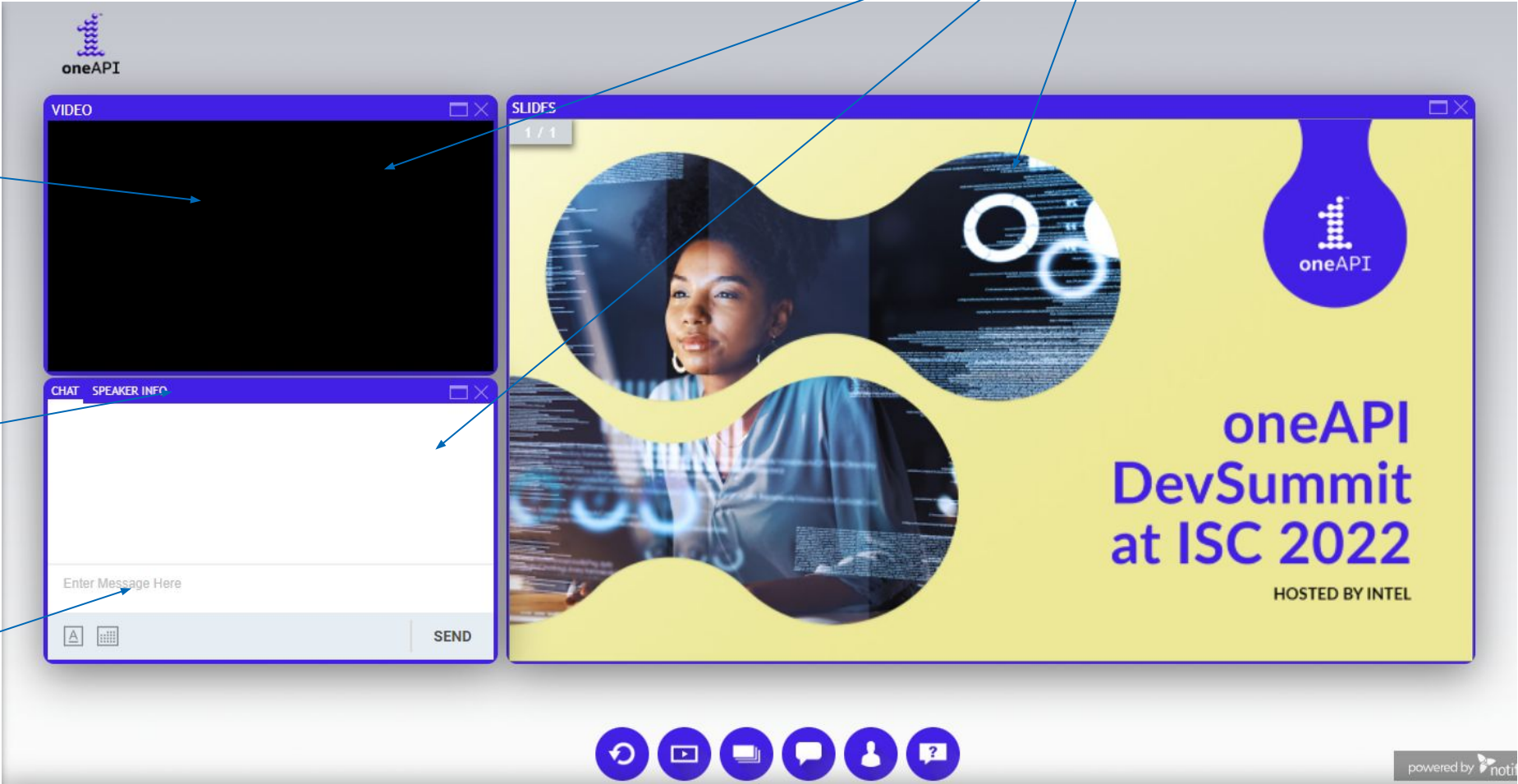
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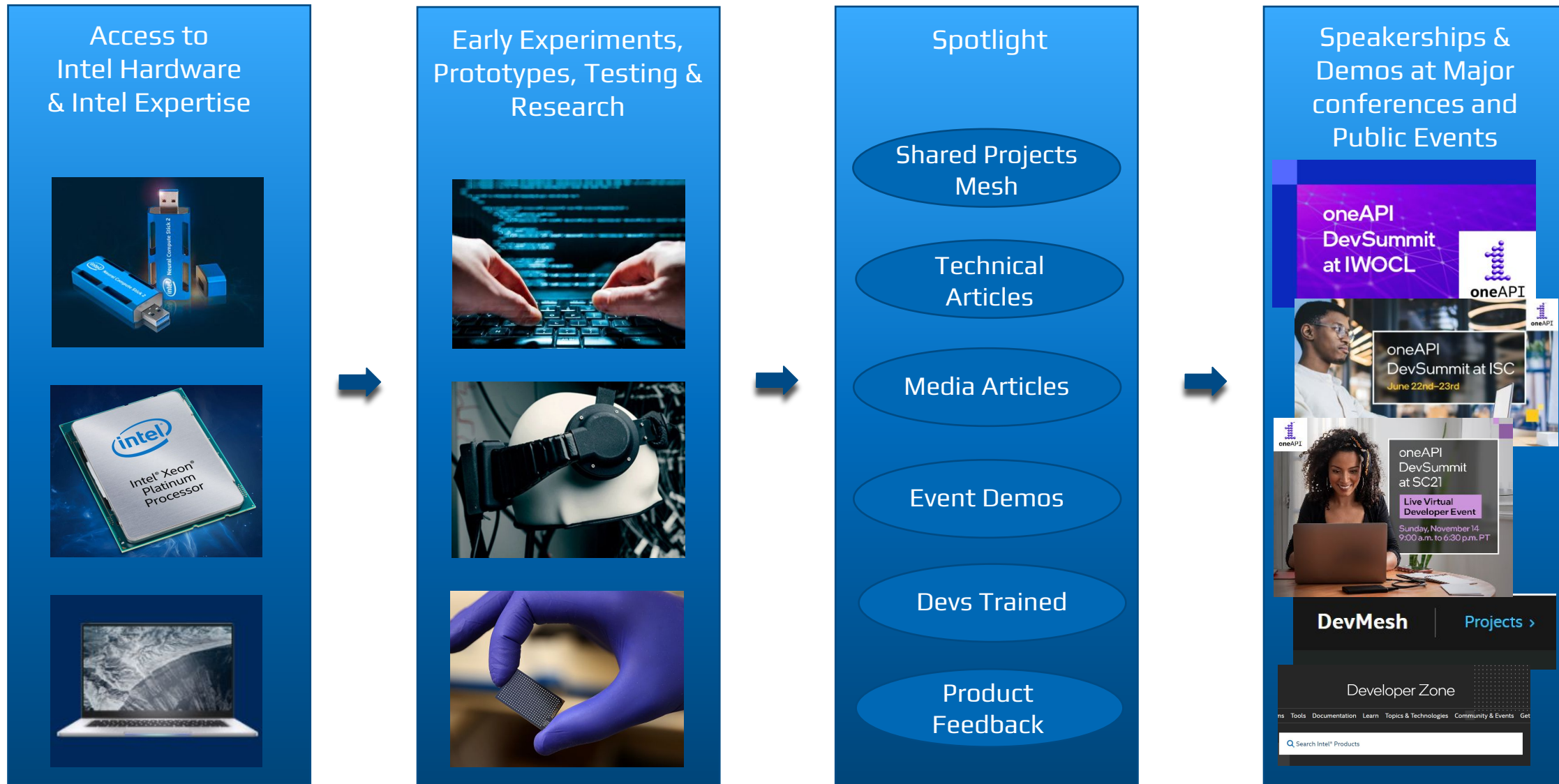
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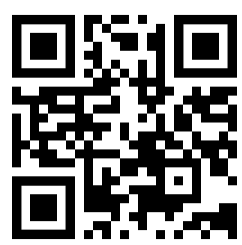
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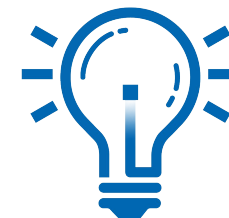
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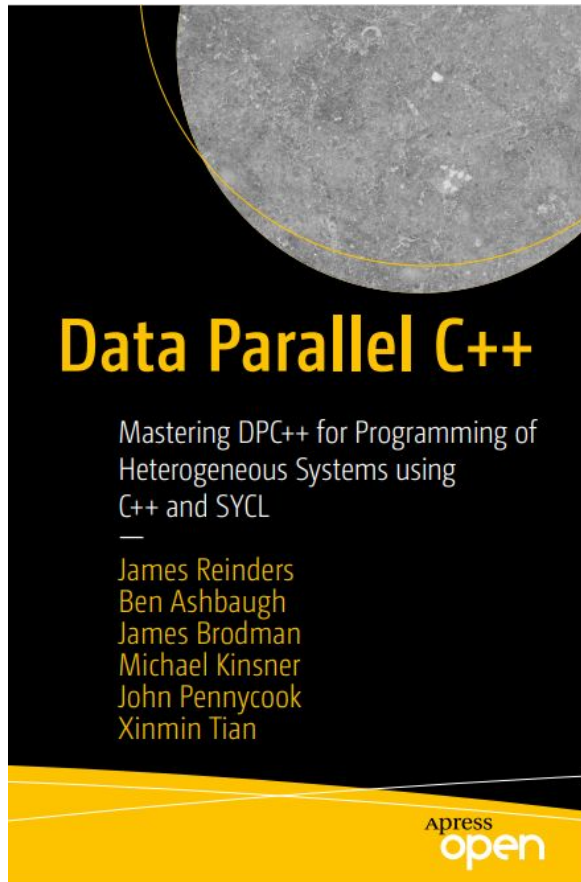
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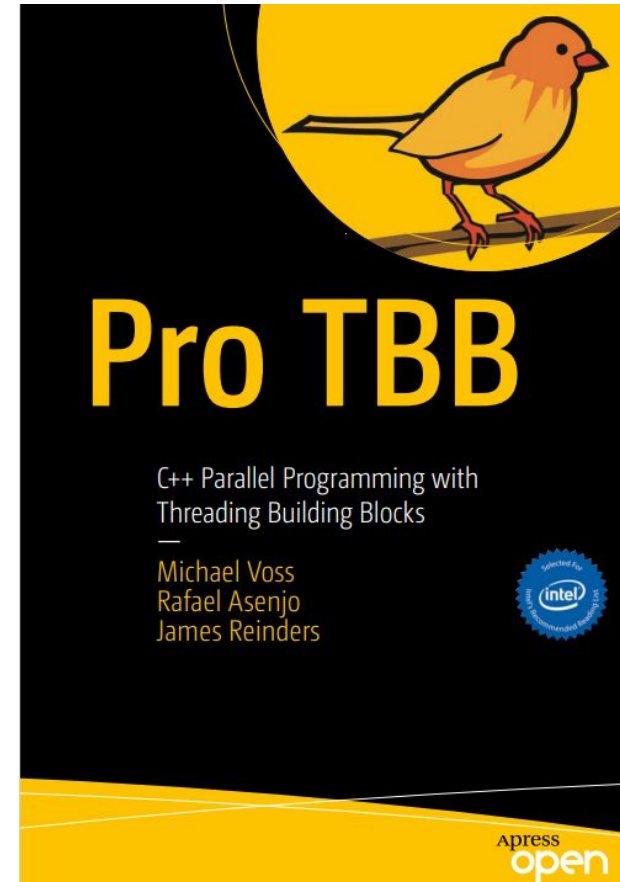


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DevSummit at ISC 2022 Agenda

	Speaker(s)	Time (CEST Time)
Introduction	Alison Richards	9:00 – 9:15 am
The evolving open ecosystem for accelerated computing	Joe Curley	9:15 – 9:35
Powering heterogeneous computing with oneAPI on ARM and Ponte Vecchio with SiPearl	Vincent Casillas , Shailen Sobhee, Gilles Civario	9:35 – 10:05
Break		10:05 – 10:20
How to Port your code from CUDA to SYCL, targeting Nvidia GPUs and more	Joe Todd	10:20 – 10:50
Intel CPUs and GPUs on structured-mesh stencil workloads with oneAPI	István Reguly	10:50 - 11:20
Accelerating your Pandas workloads with Modin	Mehdi Brahimi, Roy Allela	11:20 – 11:50
Lunch		11:50- 12:20
Dynamic task fusion with SYCL for an explicit hyperbolic equation system solver with dynamic AMR and local time stepping	Tobias Weinzierl	12:20 – 12:50 pm
Julia Computing: Advancing Scientific Discovery Across Architectures	Jacob Vaverka, Tim Besard	12:50 – 1:20
HIP on Aurora: Bringing HIP to oneAPI	Brice Videau	1:20 – 1:50
Break		1:50 – 2:00
oneAPI SYCL programming for Heterogeneous Computing on Intel® DevCloud	Ben Odom, Praveen Kundurthy	2:00 – 4:30
SYCL Best Practices and Challenges	Rod Burns (Moderator) , Kevin Harms, Garth Wells, Thomas Steinke	4:30 – 5:20
Conclusion		5:20 – 5:30
Happy Hour		5:30 – 6:30

The Evolving Open Ecosystem for Accelerated Computing

Joe Curley

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