

## (De)composable abstractions for a changing architectural landscape

Scientific applications continue to be optimized and ported to new platforms long after the original design decisions are made. What begins as a clean software architecture with abstraction layers often ends up being sacrificed at the altar of performance. In this talk, I will make the case for abstractions and programming models that enable parallel software development while allowing a user or a runtime to get a broad view of the execution state and perform non-local optimizations. I will also talk about elements of programming models that aid in these efforts.

Thanks,  
Sriram.K