

AGENDA

HPX Workshop & CP/CS Integration Meeting

July 14, 2014

8:00am – 5:00pm

117 Cushing Hall

Notre Dame, IN

8:00 am – 9:00 am

Working Breakfast

Review agenda and discuss and pick mini-app topics, create coding teams, see below)

9:00 am – 12 noon

Lectures and tutorials by IU on HPX and XPI

9:00-9:45 am: First HPX/XPI Lecture

9:45-10:00am: Break

10:00-10:45am: Second HPX/XPI Lecture

10:34-11:00am: Break

11-11:45am: Third HPX/XPI Lecture

11:45 am – 1:00 pm

Working lunch (integration meeting)

Discussion about day-to-day CP/CS issues

1:00 pm – 4:00 p m

Coding Sessions (break into teams: 2 ND+2 IU and teams will write mini-apps in HPX)

Potential Programming Sessions

Team 1: Write explicit 1D heat equation in HPX, etc.

Team 2: Write Cholesky linear solver $Ax=B$, etc

Team 3: Write explicit 1D wave equation for a beam, etc.

4:00 pm – 5:00 pm

Discussion

Teams will discuss the mini-apps they wrote.

ND staff will give presentations about those HPX codes (20 min each team)

Additional Instructions:

Breakfast, lunch, and snacks will be provided by Notre Dame