

05-14-20

HPX – PMC meeting notes

Present:

Hartmut, Mikael, John, Thomas, Auriane, Katie, Adrian

Mikael

Exporting symbols in windows

Split core library into multiple shared libraries

Hartmut

Downgrade Cmake for Los Alamos – discussion

It may not be necessary and it could be difficult

Discussion of Flecsi project

Funding Acknowledgements page has gone live, under documents tab on HPX website. Please review!

New rostam is up and running and ready for use

Thomas

Discussion of sanitizers

HK - Performance tests and special allocator for it

Introduce and aligned allocator

Pull request is in for sanitizers will update to account for alignment issues

Github actions on rostam – security implications

John

Pysicle on rostam

Pysicle can generate multiple builds

Implementation in Pysicle is becoming complicated

Plan is to have a set of builds that can be run

Restructuring discussion

API

3 libraries

The Core and local concurrency in separate libraries, and then all the other

Things can always be split further as needed

Mikael will start with the first iteration

Namespaces

Renaming according to modules, but from user perspective that may not be best

1 file per module for the public API would be easier in the end

Discussion of examples, issues, and exceptions

Restructure headers for current modules

Create a list of what should be public API – start with facilities that are standard conforming

Local in HPX namespace

Distributed in other namespace

Concerns over what should be included because of potential build errors