Agenda for Proto-FSP Frameworks Workshop
Jan. 11-13, 2010
ORNL Building 5600, Conference room J-302

Monday Jan. 11 – FACETS

0845-0900 Accessing FACETS (and building)

We will provide access to all of FACETS source and all components through svn. We will show how to get all external packages built. This will go on in background.

0900-1030: Overview of FACETS Architecture

  Goals of the design.
  Design choices.
  Parts of FACETS.

1030-1045: Break

1045-1200: Running FACETS - overview

  Standard workflow
  Parallel on different machines
  Serial
  Getting out plots

1200-0130: Lunch

0130-0315: Hands on.

Walk through of "Running FACETS", changing parameters,
etc.

0330-0430: Adding a component to FACETS

  Native components
  External components

0430-0500: Lessons learned and future directions

0500-0600: Hands on - 2.

Tuesday Jan. 12 – SWIM

9:00 to ~10:30: Overview of framework and presentations.

Break

~10:45 to Lunch: Hands on, guided walk through of setting up and running a simulation

Lunch

~ 1:30 to ~ 2:45: Go through design and details of driver component, plasma state, and physics components. Not so much presentation as showing flow charts and going through code.

3:00: Free style hands on use of IPS. We will suggest a few exercises for people or they can do whatever they are interested in

~5:30: Optional wrap up session describing where we would like to go with IPS in the future, if there is time

~7:00 Group dinner at Homeland Cafe

Wednesday Jan. 13 – CPES

09:00AM – 09:20AM Introduction to the CPES physics integration framework

09:20AM – 09:50AM EFFIS components

09:50AM – 10:30AM Hands-on 1, Write for code coupling

10:30AM – 10:45AM Break

10:45AM – 11:20AM Hands-on 2, Read for code coupling

11:20AM – 12:10PM Hands-on 3, File coupling between synthetic codes

12:10PM – 01:30PM Lunch

01:30PM – 02:15PM Hands-on 4, Memory coupling between synthetic codes

02:15PM – 02:35PM Service Oriented Architecture and EFFIS

02:35PM – 02:50PM Break

02:50PM – 03:45PM Submission of XGC0-Elite-M3D_omp-M3D_mpp demo run

03:45PM – 04:15PM Monitoring of demos with Kepler/Dashboard

04:15PM – 04:45PM Hands-on 5, Data analysis on eSimMon Dashboard

04:45PM – 05:00PM Conclusion