OpenMDAO and SU² joint Workshop

Sept 30th – Oct 1st, 2013
William F. Durand Building, Rm. 450
496 Lomita Mall, Stanford, CA 94305

First day - Basic topics

10.00 – 10.15: Welcome and introduction to the Workshop.
10.15 – 10.45: Overview of OpenMDAO and installation.
10.45 – 11.30: Running OpenMDAO and working with Plugins. Quick start tutorial.
11.30 – 11.45: Short break.
11.45 – 12.15: Overview of SU² and installation.
12.00 – 13.00: Running SU². Quick start tutorial.
13.00 – 13.30: Break (food provided)
13.30 – 14.00: Brainstorming for ideas for possible projects.
16.45 – 17.00: Adjourn first day.

Second day - Advanced topics

9.00 – 9.15: Welcome to the second day.
9.15 – 10.45: Advanced topics in SU²:
  • Unsteady RANS simulation. SU² has multitude of capabilities for performing high-fidelity analysis of complex geometries. Learn about them here.
  • Design and Optimization Using SU². Learn why SU² is uniquely suited for performing design and optimization of complex aerospace systems.
10.45 – 11.00: Short break.
11.00 – 12.30: Advanced topics in OpenMDAO:
  • Greater modeling flexibility with automatic coupled derivatives in OpenMDAO.
  • Building complex MDAO methods (e.g. Efficient Global Optimization, StackMC) with OpenMDAO Drivers, Workflows, and MetaModels.
12.30 – 13.00: Break (food provided)
15.45 – 16.00: Adjourn second day.

Thanks for attending, and note that all stated times are Pacific Time (PDT).
Please RSVP by registering at the SU² home-page (http://su2.stanford.edu).

You can find more information about the codes in:
- OpenMDAO home-page: http://openmdao.org
- SU² home-page: http://su2.stanford.edu

Please, come to the workshop with the software downloaded and installed (https://github.com/OpenMDAO, and https://github.com/su2code). If you have any problems, we will provide individual support around the room.