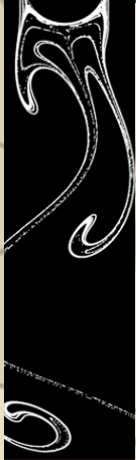


OpenMDAO and SU² joint Workshop

Sept 30th – Oct 1st, 2013

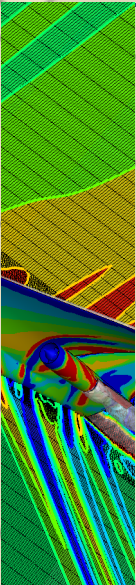
William F. Durand Building, Rm. 450
496 Lomita Mall, Stanford, CA 94305

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.
- 11.30 – 13.00: Running SU². *Quick start tutorial.*
- 13.00 – 13.30: Break (food provided)
- 13.30 – 14.00: Brainstorming for ideas for possible projects.
- 14.00 – 16.45: Hack-a-thon. *Work side-by-side writing OpenMDAO/SU² applications.*
- 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)
- 13.00 – 15.45: Hack-a-thon. *Work side-by-side writing OpenMDAO/SU² applications.*
- 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.