Examples of ANSYS Workbench Customization for CFD & FEA Applications

Scripting in ANSYS offers an excellent advantage for repeatable, fast simulations. All of the ANSYS products allow extensive customization, and the session will cover project handling and creation with ANSYS Workbench, including a data-driven project controlled by inputs in Microsoft Excel.

The CFD-focused session will take a look at customization capabilities in CFD-Post, the common post-processing tool for the ANSYS CFD solvers. Examples will then be presented, including programming of loops and logic, the usage of Perl and Python, and demonstration of a capability to create a PowerPoint report from within a CFD-Post session.

The FEA-focused session will introduce the ANSYS Application Customization Toolkit (ACT) which provides the tools for customizing the ANSYS Mechanical product. ACT provides simple access to the main components of Mechanical, such as GUI components, mesh, geometry, boundary conditions in a Python programming environment. ACT can be used to replace MAPDL command objects, create specialized interfaces for company or industry specific applications.

Both sessions will include live examples to demonstrate the concepts discussed.

Location:	Ann Arbor, MI
Date:	July 19, 2013
Time:	10:00 a.m. – 3:00 p.m.
Venue:	ANSYS, Inc. 900 Victors Way Suite 350 Ann Arbor, MI 48108
Cost:	Free - Space is limited.

Register: https://marketing.ansys.com/go/ansysinc/fdcoseotsn1947