

SUPERVISION & COUPLING WITH YACS

**OBJECTIVE: Facilitate the execution of simulation coupling,
integrate solvers**

CONTENT

Day 1

The principles of YACS

- ✓ Objectives and tools of YACS module
- ✓ Type de nodes & links
- ✓ Description of ports
- ✓ Description of a schema
- ✓ Exercise 1 – Introduction to YACS

Components SALOME and YACSGEN

- ✓ Definition of a component
- ✓ Services and forms of component
- ✓ Principles YACSGEN
- ✓ Exercise 2 – Introduction to YACSGEN

- ✓ Work with distribution of calculations
- ✓ Services & instances of the component
- ✓ Work with the container
- ✓ Exercise 3 – Distribution of calculations

PREREQUISITES

- ✓ Knowledge of CAD-Calculations
- ✓ Basic knowledge of SALOME
- ✓ Knowledge of Python

DURATION, LOCATION

- ✓ 2 days
- ✓ At the Customer's site or at the premises of OPEN CASCADE (Guyancourt, Lyon - FRANCE)

REGISTRATION

www.opencascade.com/contact

Day 2

Ports Datastream - CALCIUM

- ✓ Description of components
- ✓ Work with the layer Data Stream
- ✓ Work with connections
- ✓ Work with CALCIUM
- ✓ Exercise 4 – CALCIUM with YACSGEN

Integration of solvers

- ✓ Integration from sources
- ✓ Integration from libraries
- ✓ Integration from executable files
- ✓ Performance & parallelism
- ✓ Exercise 5 – Integration with YACSGEN

