



# Training Workshop *CST Particle Studio* 24<sup>th</sup> June 2013

This School is bringing all oPAC Fellows to CERN. A full day intense training course, hosted by oPAC partner Computer Simulation Technology (CST) AG, will provide them with training in *CST Particle Studio*.

The oPAC researchers will be arriving from universities, research centres and industry partners from across Europe.

This workshop will provide them with specialist training in CST Particle Studio which will be hosted by oPAC Partner CST AG at CERN, Geneva.

The full day intense training course will include the following topics:

- Setting up an own structure with the powerful modelling interface in CST Studio Suite;
- Understanding how to define a particle source and apply the available emission models to it;
- Loading different types of pre-calculated fields for the particle simulation;
- Using the different post-processing capabilities to read out field and particle result data;

- Parameterizing & optimizing created and imported structures;
- Tuning the mesh for optimum speed and accuracy;
- Training in how to run Wakefield simulations.

For further details on the oPAC project see the project web site:

[www.opac-project.eu](http://www.opac-project.eu)

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