

ABSTRACT:

## THE SALEVE SYSTEM

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With the help of the open source Saleve system, it is possible to develop parameter study programs that can be easily run in Grid environment, without losing the conventional, sequential architecture and the possibility of testing during the development.

Software linked against the Saleve library can be integrated without change into Grids using different middlewares, thus the application writer does not need to deal with the technical details of the middleware. The system is based on web services, the most widespread method of interoperation among software components, therefore it is easily extensible and adaptable to Grid middlewares.

The presentation shows the usage and main properties of the Saleve system via a specific engineering task.