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## Dune::Fem School 2016

### 26.09. - 30.09.2016

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#### Introduction to DUNE

- ▷ C++ programming techniques
- ▷ installation of Dune
- ▷ finite element grids
- ▷ grid refinement

#### Further Topics

- ▷ data io and visualization
- ▷ checkpointing
- ▷ evolution equations

#### Elliptic PDEs

- ▷ discretization with Dune::Fem
- ▷ finite element spaces
- ▷ solvers
- ▷ error computation

#### Advanced Topics

- ▷ residual error estimators
- ▷ adaptive methods
- ▷ parallel solvers

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#### Venue

Institut für Angewandte Analysis und Numerische Simulation (IANS)  
Pfaffenwaldring 57  
70569 Stuttgart  
Germany

#### Registration

Please register via the web-page

<http://www.ians.uni-stuttgart.de/events/dune-fem-school-2016>

Conference fees are 50€. Further details can be found on the web-page.

#### Lecturers

C.-J. Heine (IANS, Stuttgart), R. Klöforn (IRIS, Bergen)

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