

## 2nd Workshop: Dual-Fuel Combustion Simulation

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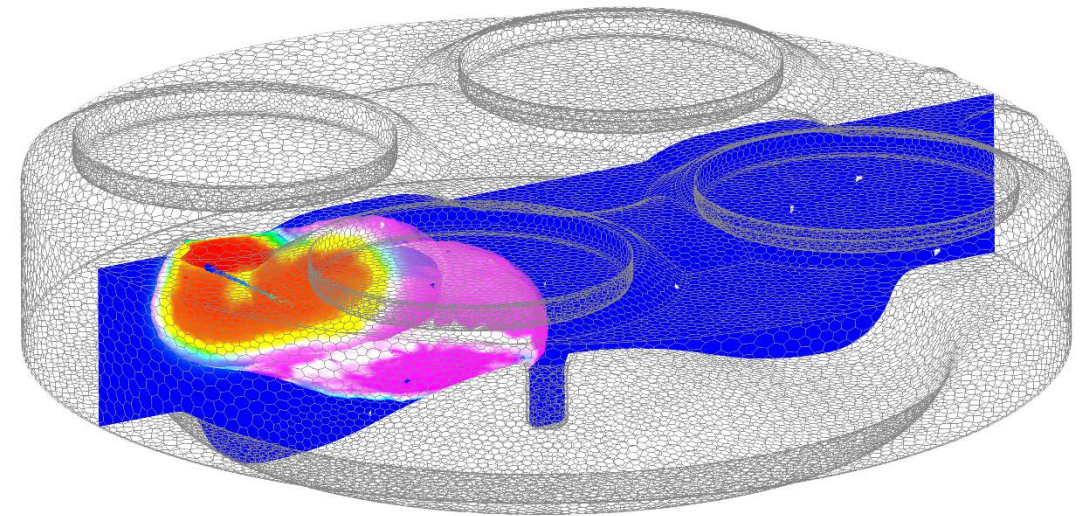
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## Agenda – Part I

- 08:30 – 08:45** | Opening ceremony
- 08:45 – 09:15** | Low Emission Dual Fuel (LEDF) 2 – Continuation of research and development of future combustion process with respect to changing gas compositions (Björn Henke, University of Rostock)
- 08:15 – 09:45** | Modelling of dual-fuel-combustion using detailed reaction mechanisms and tabulated chemistry (Sascha Andree, University of Rostock)
- 09:45 – 10:00** | Coffee break
- 10:00 – 11:30** | Analyzing cyclic fluctuations in large dual-fuel engines using Large Eddy Simulation (Martin Theile, FVTR)
- 08:15 – 09:45** | Use of tabulated chemistry to efficiently include detailed chemistry in CFD simulations (Ferry Tap, AVL Dacolt)
- 08:15 – 09:45** | 3D-CFD model development and validation for dual-fuel combustion in large bore engines (Lucas Eder, LEC GmbH)
- 11:30 – 12:30** | Business Lunch / Catering

# Agenda – Part II

- 12:30 – 13:00** | How DNS can help understanding dual-fuel ignition and combustion (Prof. Dominique Thévenin, University of Magdeburg)
- 13:00 – 13:30** | Utilization of predictive combustion and emission models for optimization of engine performance (Johannes Konrad, Vienna University of Technology)
- 13:30 – 14:00** | Ignition and combustion of a pilot ignited natural gas jet using numerical simulation based on detailed chemistry (Michael Jud, Technical University of Munich)
- 14:00 – 14:30** | Evaluation of different modelling approaches for dual fuel combustion (Yuri Wright, ETH Zurich)
- 14:30 – 15:15** | Free discussion about future developments in the Dual-Fuel community
- 15:15 – 15:30** | Farewell
- 15:30 – ...** | Visit of the engine laboratory, the dual-fuel-engine and the gas mixing device
- (18:00 – ...** | Long Night of the Science – University of Rostock)