

Laminar Burning Velocity Measurements @ OWI

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1st Heat Flux Burner Workshop

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Main objectives OWI:

- Research and development of heat and combustion technology for liquid fuels, regarding
 - substance characteristics
 - applicability
- In the fields of heating devices, power generation and industrial production

Organisation:

- Affiliated Institute of RWTH Aachen
- Organisational and legally independent
- Non-profit company, financed on project basis

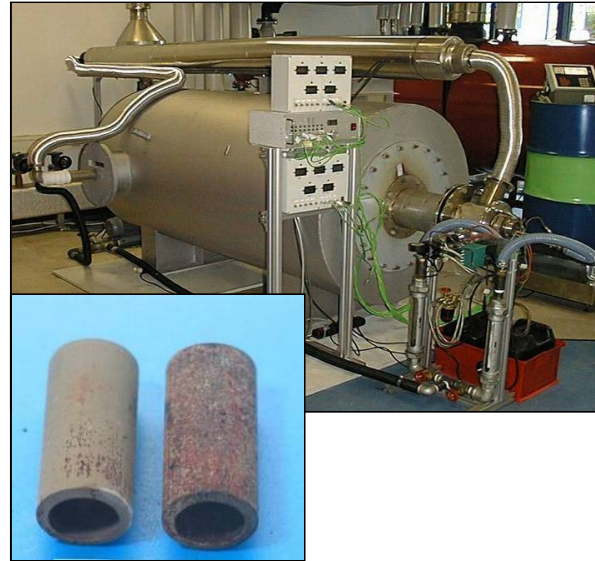
Departments at OWI

Combustion Technology



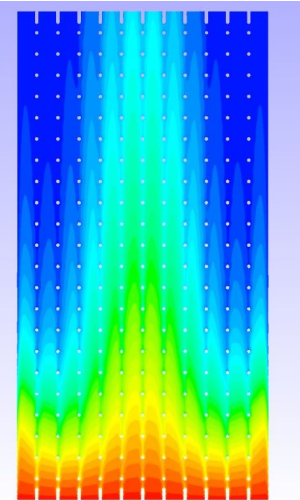
- Fuel Cell Systems
- Burner Development
- Measurement Technology

High Temperature Technology



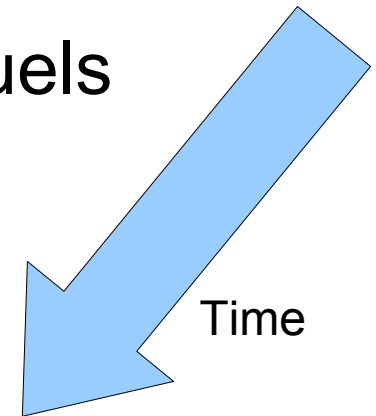
- High Temperature Process Engineering
- Materials
- Controller Development

Energy Sources

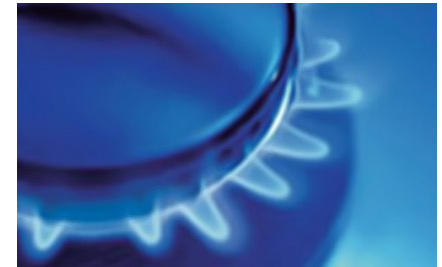


- Fuels
- Numerical computation
- Construction

- In cooperation with TU Bergakademie Freiberg
 H_2 -CO (Syngas)
- Mixtures of Alcohols with surrogate fuels
(n-Heptane).
- “real” Fuels, Heating Oil
- Liquid Biofuels



- Vaporisation of higher alkanes
- Maintain accuracy when changing massflow
- Higher gas velocities



**Thank you for your
attention !**

Contact:

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