

New task on new generation solar cooling system
Task definition meeting

Presentation of zafh.net and related activities

21-22th March 2013, CNAM Paris

Some facts about the HFT Stuttgart:

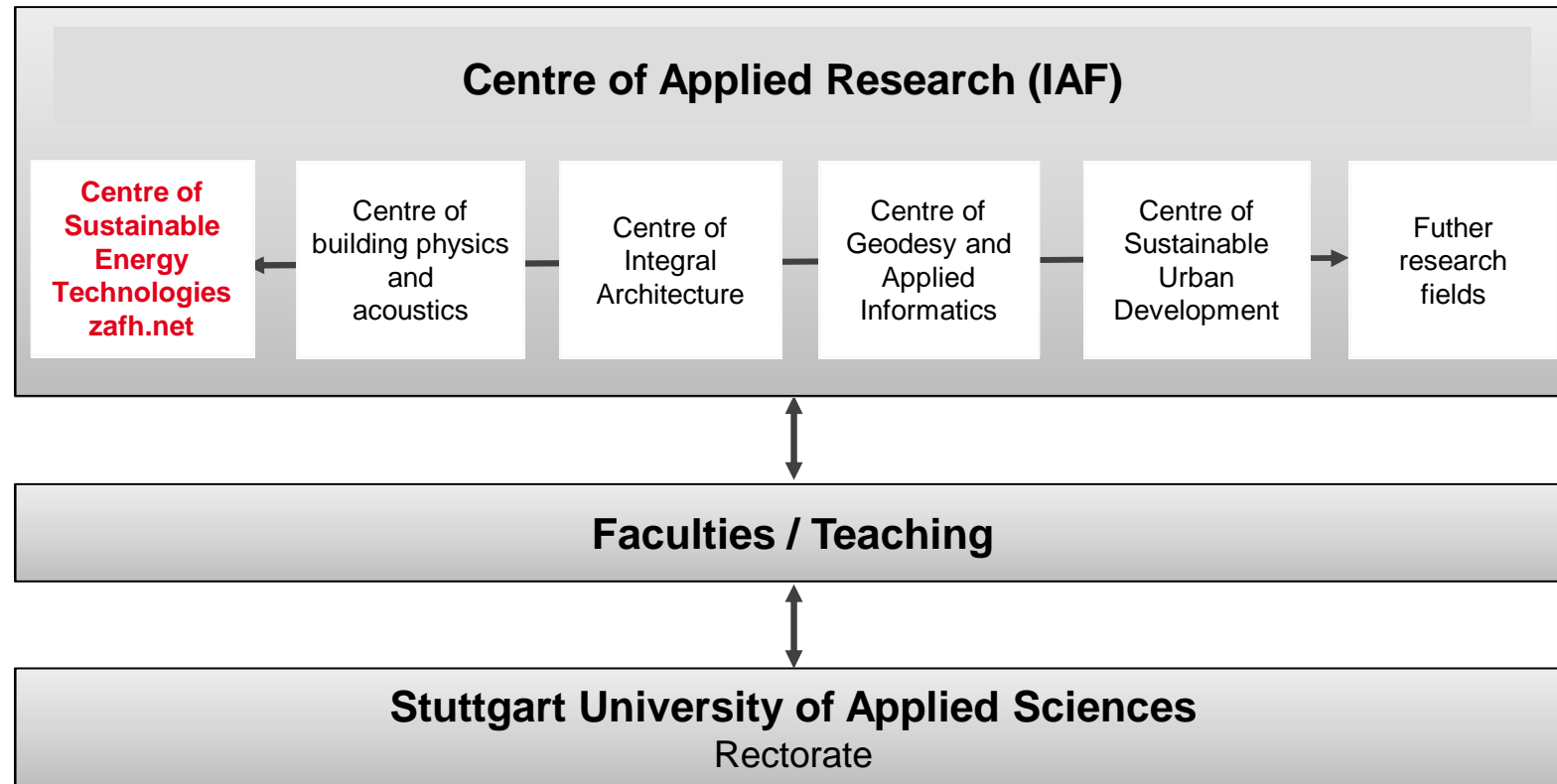


History:

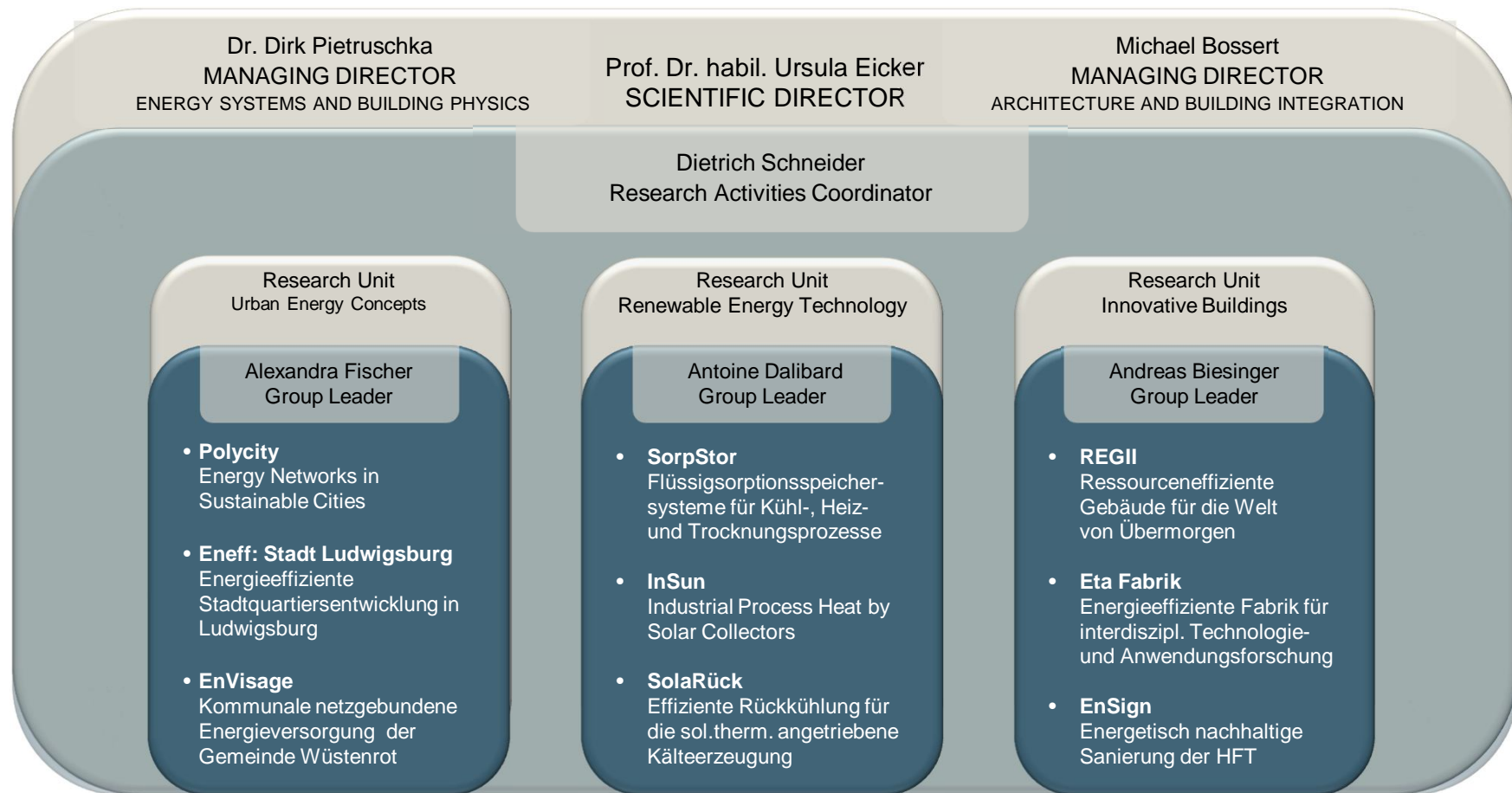
- Founded in 1832 as the “Winter School for Building Craftsmen”
- Since 1971 University of Applied Sciences
- **Today:**
- 100 Professors, 250 Assistant Lecturers, 3000 Students
- 14 Bachelor- and 13 Master Programmes including 4 international Programmes
- Over 70 partner universities worldwide

The Centre of Applied Research (IAF)

connects research activities of the Stuttgart University of Applied Sciences



zafh.net - organisation structure



SolaRück Project

- Title: Efficient heat rejection of solar driven chillers
- National project funded by the German Ministry for the Environment, Nature Conservation and Nuclear Safety
- Project duration : from 01.09.2012 until 31.08.2015
- Other partners involved: ISE, ILK, Sortech, Invensor...
 - expected contribution to subtask A (performance figures definition) and subtask B (model development and validation, optimised control strategies,...)

SorpStor Project

- Title: Liquid sorption storage systems for cooling, heating and drying processes
- National project funded by the German Ministry of Education and Research
- Project duration: from 01.06.2012 until 31.05.2015
- Other industry partners involved: WOLF, Airwasol
 - expected contribution to subtask A (activity A4 on storage)

PVT-HeatCool Project

- Title: Multivalent use of uncovered PVT collectors for heating and cooling of buildings
 - National project funded by the German Ministry for the Environment, Nature Conservation and Nuclear Safety
 - Project duration: from 01.12.2012 until 30.11.2014
 - Other partners involved: MEFA, Kupferzell, Transsolar
- expected contribution to subtask C (provide measurement data of two demonstration plants)

PVT-HeatCool Project



SOLAR DECATHLON EUROPE 2010
HFT Stuttgart (3rd place)



SOLAR DECATHLON EUROPE 2012
HTWG Konstanz

Other related activities

- Simulation studies on comparison solar PV versus solar thermal cooling systems
- Simulation studies on the influence of system design on energy and economic performance of solar cooling systems in office buildings worldwide
 - expected contribution to subtask B (model, control strategies,...)