

Seminar Renewable Energy and Energy Efficient Building at the ICU

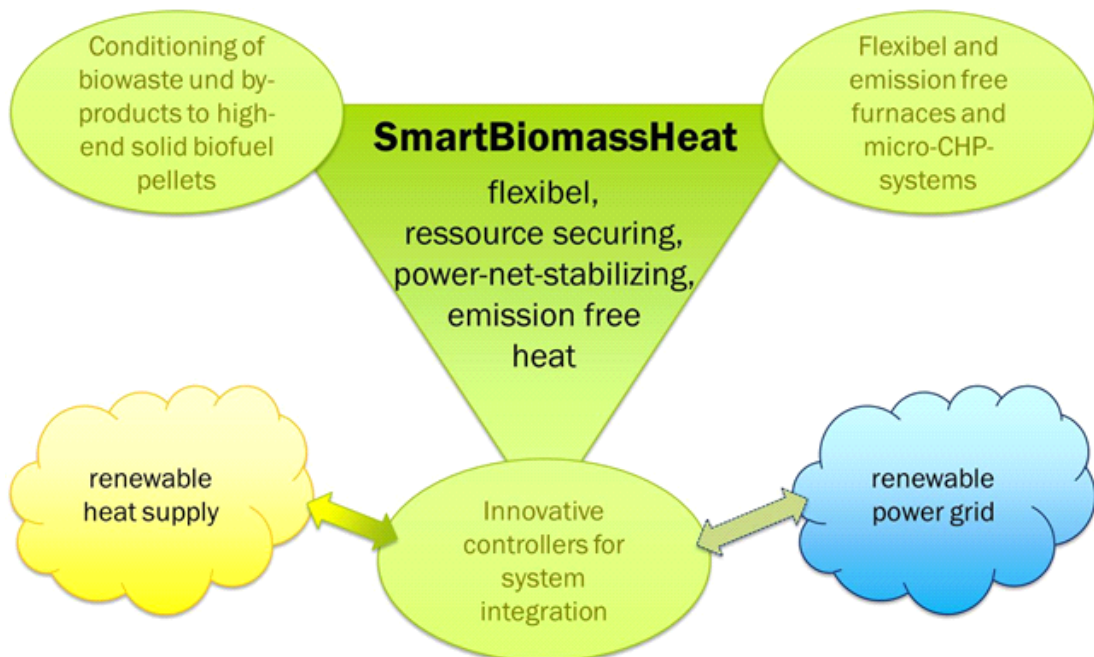
Time: December 18th (Thursday) 12:50-13:50

Place: Room H314 (University Hall, 3rd Floor)

Title: Future Perspectives of renewable heat supply from biomass in Germany – Smart Biomass Heat as one possible pathway

Speaker: Dr.-Ing. Volker Lenz, Head of Dep. Thermo-Chemical Conversion, German Biomass Research Center gemeinnützige GmbH, Leipzig, Germany

In Germany about 11% of the heat is supplied by renewable energies. Almost 90% of this amount is based on biomass. There is a target of 14% until 2020. For 2050 a massive reduction of heat demand – especially for room heating – is on the political agenda (80%). More or less all of the rest should be provided from renewable energies. Besides solar thermal energy, geothermal energy (also by heat pumps) and heat from electrical over production from wind and solar power biomass has to fill the remaining gaps. This will have a significant effect on the biomass conversion technologies. In Germany and also in many countries of Europe we expect a change for small biomass combustion units towards combined heat and power units with very high flexibility in heat and power provision to fill the heat demand gaps and help stabilizing the local power grid starting by 2030.



The lecture will give information to the state of the art of heat supply from biomass in Germany, future changes in heat demand and the effects on the development of new biomass heat supply technologies.

Anybody, especially students, are welcome. Please bring along your lunchbox.

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Blog: re3buildicu.wordpress.com

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Campus Map (Bldg. No. 1!): <http://www.icu.ac.jp/about/campus/>

To students: All students are welcome to attend the seminar. But please note that different from the NS Forum or Funct. Science seminars, the seminar will not give you any ICU course credits.