

Prof. Dr.-Ing. Michael Sterner researches and holds courses on energy storage and regenerative energy industries at Regensburg University of Applied Sciences, and develops energy storage ...

A considerable global leap in the usage of fossil fuels, attributed to the rapid expansion of the economy worldwide, poses two important connected challenges [1], [2]. The primary problem is ...

This master's degree is part of the graduate program in Engineering ... M1 & M2 are totally taught in English. M1: Core curriculum + one group project + one 2-month internship; M2: Core courses + two specialized ... hydrocarbons) with ...

Thermal energy storage draws electricity from the grid when demand is low and uses it to heat water, which is stored in large tanks. When needed, the water can be released to supply heat or hot water. Ice storage systems do the opposite, ...

Similar energy storage and conversion targeted curricula do not exist elsewhere. Apart from the 5 European universities, 2 Universities in USA and Australia, a European Research Institute ...

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Energy storage is key to secure constant renewable energy supply to power systems - even when the sun does not shine, and the wind does not blow. Energy storage provides a solution to achieve flexibility, enhance ...

In the past few decades, electricity production depended on fossil fuels due to their reliability and efficiency [1]. Fossil fuels have many effects on the environment and directly ...

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