Macro energy systems Sweden

The growing field of macro-energy systems (MES) brings together the interdisci-plinary community of researchers studying the equitable and low-carbon future of humanity"s energy systems. As MES matures as a community of scholars, a coherent consensus about the key challenges and future directions of the field

The aim of macro-energy systems is to understand the dynamics, benefits, costs, and impacts of large-scale energy systems and energy system transitions. It focuses on phenomena that are large when measured by time span, spatial scale, energy flow, or any combination of the above.

The journal covers research in mechanical engineering and thermal sciences, with a strong focus on energy analysis, energy modelling and prediction, integrated energy systems, energy planning and energy management.

Research almers.se contains research information from Chalmers University of Technology, Sweden. It includes information on projects, publications, research funders and collaborations. More about coverage period and what is publicly available

Macro-Energy Systems is an emergent field and research community that focuses on large-scale, systems-level, long-term aspects of energy systems and their implications for other systems, including the environment, economy, and human wellbeing. Sustainability and equity concerns, and computational advances have fueled a growing area of study ...

The growing research field of macro-energy systems (MES) is poised at the forefront of this movement, developing and applying new methods for the study of complex energy systems to improve energy policy and decision making.

Satisfying the needs of an energy-hungry planet while greatly reducing environmental effects is a major challenge of our time, and macro-energy systems research is useful in that effort. Even if we achieve the happy future world where climate change has been acceptably managed, the need to produce and distribute energy will continue.

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