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Autore	Killy, Walther
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Nota di contenuto

Information Measurement System for Thermal Conductivity Studying -- Approaching a LFR Direct Steam Generation Power Plant Towards an Endoreversible Heat Engine -- Intelligent Control and Monitoring of Biomass Comminution Process with the Use of Genetic Algorithms -- Advances in Lignocellulosic Biomass Pretreatment Strategies -- Alternative Vehicle Fuels Management: Energy, Environmental and Economic Aspects.

Sommario/riassunto

This book focuses on modern technologies and systems for solving problems in the energy sector. It is shown that bioenergy is one of the promising areas of energy development. The book collected the experience of scientists from many countries in the research of renewable energy. The advantages of renewable energy are general availability, renewability, environmental friendliness. The analysis carried out by the authors shows the current state of renewable energy in the world, its trends and prospects. New measuring systems are presented, which can become the basis for measuring the thermal characteristics of various types of fuels, including biofuels, insulating materials, enclosing structures, etc. System for monitoring of grainy biomass comminution with the use of genetic algorithms has been presented and described. New technologies for the construction of power plants based on renewable energy sources have been proposed and investigated.