

RENEWABLE ENERGY photovoltaic cells
 FUEL CELL TECHNOLOGY
 sun power hydrogen economy biofuel to s
 reducing emissions solar power
 efficient alternative geothermal energy
 HYDROELECTRICITY POWER
 eco-energy

Materials and Technologies for Energy Efficiency is a compilation of research papers whose main aim is to provide an opportunity to gather knowledge about the latest developments and advances in materials and processes involving energy.

This volume consists of a series of works which were presented at The Energy & Materials Research Conference (EMR2015), held in Madrid, Spain, in February 2015.

This compilation of more than 50 papers has been written by different researchers from all over the world. Moreover, it is focused on a good amount of topics which includes biomass and biofuels; solar energy; fuel cells; energy storage, etc.

The book is recommended for researchers from a broad range of academic disciplines related to energy and materials. Thus, we hope that this set of papers would be useful to stimulate further discussion on energy and materials research.

wind farm greenhouse gas reduction
 concentrating solar energy
 ETHANOL local generation wind turbines
 reliable biodegradable
 gigawatts Syngas trapping
 LONG-TERM BENEFITS low impact



MATERIALS AND TECHNOLOGIES FOR ENERGY EFFICIENCY

Méndez-Vilas

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ALTERNATIVE ENERGY
 ENERGY biomass wind farm generates
 GREEN ENERGY CONSERVATION
 perfecting the process

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biogas biomass heating systems
 PASSIVE POWER wind farm greenhouse gas reduction
 concentrating solar energy
 ETHANOL local generation wind turbines
 reliable biodegradable wastes
 gigawatts Syngas trapping tidal power
 LONG-TERM BENEFITS low impact

Antonio Méndez-Vilas (Ed.)