



Energy and Sustainability V

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Description

Energy and Sustainability V is the proceedings of the 5th International Conference on Energy and Sustainability, held by the Wessex Institute of Technology.

The modern world is highly dependent on the exploitation of fossil fuels. More recently, resources depletion and severe environmental effects deriving from the continuous use of these fuels has resulted in an increasing amount of interest in renewable energy resources and the search for sustainable energy policies.

The changes required to progress from an economy mainly based on hydrocarbons to one taking advantage of sustainable energy resources are massive and require considerable scientific research as well as engineering systems. The effect also involves collaboration between different disciplines in order to arrive at optimum solutions, including buildings, energy networks, convenience systems, new energy storage solutions, waste to energy technologies, and many others.

This book covers topics related to sustainability in energy and power production, storage, distribution and management. These include: Energy Policies; Renewable Energy Resources; Sustainable Energy Production; Environmental Risk Management; Green Buildings; Energy Storage; Biofuels; Processing of Oil and Gas; Drilling and Well Design; CO2 Capture and Management; Pipelines; Energy Efficiency; Energy from Waste; Energy and Transportation.