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Vera Murgul · Viktor Pukhkal
Editors

International Scientific Conference Energy Management of Municipal Facilities and Sustainable Energy Technologies EMMFT 2019

Volume 1

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Preface

This book presents a collection of the latest studies in the field of the sustainable development of urban energy systems and new strategies for the transportation sector.

The international scientific conference Energy Management of Municipal Facilities and Sustainable Energy Technologies EMMFT 2019 took place in Voronezh State Technical University on November 28–30, 2019 in the city of Voronezh.

This annual scientific event brought together guests and participants from throughout Russia and different foreign countries. As traditionally, the main topics to discuss were sustainable energy technologies, building energy modeling, energy efficiency in transport sector, electrical energy storage, energy management and life cycle assessment in urban systems and transportation.

The objective of the conference was the exchange of the latest scientific achievements, strengthening of academic relations with leading scientists of the European Union, creating favorable conditions for collaborative researches and implementing collaborative projects, encourage young scientists, doctoral and post-graduate students in their scientific and practical work related to the field of new energy technologies. The newest equipment and devices for HVAC-systems were demonstrated; the latest technologies of thermal protection of buildings were shared.

Over than 250 papers were submitted for the conference. All papers passed scientific and technical review. Finally, 136 papers were accepted.

Within the framework of technical review, all papers were thoroughly checked for the following attributes: compliance with the subject of the conference; plagiarism (acceptable minimum of originality was 90%); acceptable English language. At the same time, papers were checked by a technical proofreader (for the quality of images, absence of Cyrillic, etc.).

Scientific review of each paper was made by at least three reviewers. If the opinions of the reviewers were radically different, additional reviewers were appointed.

Live participation in the conference was an indispensable condition for the publication of a paper.

The book is intended for a broad readership: from policymakers tasked with evaluating and promoting key enabling technologies, efficiency policies and sustainable energy practices, to researchers and engineers involved in the design and analysis of complex systems.

All the participants and organizers express their gratitude to Springer publishing office and to the editing group of journal Advances in Intelligent Systems and Computing for publishing the proceedings of the conference.

Vera Murgul
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