Special Issue

Technologies Conducive to Low Green House Gas Emission

Message from the Guest Editors

It has been well known that greenhouse gas causes global warming resulting in climate change. Efforts are giving toward the reduction of the CO2 emission to solve the issue via numerous fundamental and applied researches. CO2 emission can be mitigated by improving thermal efficiency of internal combustion engines. Innovation of thermodynamic cycles (e.g. cogeneration, organic Rankine, combined cycle with waste heat recovery) leads to higher thermal efficiency. In addition, technologies for sequestrating or converting CO2 into useful products are emerging to suppress CO2 accumulation in the atmosphere. While reducing fossil fuel dependency, renewable energy technologies also offer indirect technical solution of CO2 reduction. Contribution of those technologies is remarkable, but more effort still needs to be given on CO2 mitigation. With such goal in mind, this special Issue aims to collect original research or review articles on various technologies conducive to the reduction in greenhouse gas emission. Scope of the issue is wide opened, but not limited to topics mentioned above. Any research topic contributing to greenhouse gas mitigation will be considered for publication.

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Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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