

## Preface

An energy transition (or energy system transformation) is a major structural change to energy supply and consumption in an energy system. Currently, a transition to sustainable energy is underway to limit climate change. Most of the sustainable energy is renewable energy. Therefore, another term for energy transition is renewable energy transition. The current transition aims to reduce greenhouse gas emissions from energy quickly and sustainably, mostly by phasing-down fossil fuels and changing as many processes as possible to operate on low carbon electricity. A previous energy transition perhaps took place during the Industrial Revolution from 1760 onwards, from wood and other biomass to coal, followed by oil and later natural gas.<sup>i</sup>

In the present book, twelve typical literatures about energy transition published on international authoritative journals were selected to introduce the worldwide newest progress, which contains reviews or original researches on energy transition. We hope this book can demonstrate advances in energy transition as well as give references to the researchers, students and other related people.

The Editorial Board of Academic Archives

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<sup>i</sup> [https://en.wikipedia.org/wiki/Energy\\_transition](https://en.wikipedia.org/wiki/Energy_transition)