The *Handbook of Clean Energy Systems* brings together an international team of experts to present a comprehensive overview of the latest research, developments and practical applications throughout all areas of clean energy systems. Consolidating information which is currently scattered across a wide variety of literature sources, the handbook covers a broad range of topics in this interdisciplinary research field including both fossil and renewable energy systems. The development of intelligent energy systems for efficient energy processes and mitigation technologies for the reduction of environmental pollutants is explored in depth, and environmental, social and economic impacts are also addressed.

**Topics covered include:**

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**Key features:**

- Comprising over 3,500 pages in 6 volumes, HCES presents a comprehensive overview of the latest research, developments and practical applications throughout all areas of clean energy systems, consolidating a wealth of information which is currently scattered across a wide variety of literature sources.

- In addition to renewable energy systems, HCES also covers processes for the efficient and clean conversion of traditional fuels such as coal, oil and gas, energy storage systems, mitigation technologies for the reduction of environmental pollutants, and the development of intelligent energy systems. Environmental, social and economic impacts of energy systems are also addressed in depth.

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Since 2007, Professor Yan has been the Editor-in-Chief of the *International Journal, Applied Energy* (Elsevier). In its 35 year history, *Applied Energy* has earned a place among leading journals as the preferred vehicle for the sharing and transfer of technical knowledge and innovation in energy research and applications. This successful journal had a 2013 impact factor of 5.261 (7/82 in the ISI Web of Knowledge 'Energy and Fuels' category).

Professor Yan has been actively involved in organizing the annual *International Conference on Applied Energy* since the first meeting in Hong Kong, 2009. The aim of this conference series is to bring together international experts in applied energy technology, from academia and industry, and across a range of disciplines including engineering, chemistry, physics and materials science. There is a strong focus on the Asia-Pacific region and the conference regularly attracts >300 delegates.

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