



energies



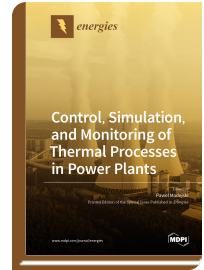
Special Issue Reprint

Control, Simulation, and Monitoring of Thermal Processes in Power Plants

www.mdpi.com/books/reprint/6916

Edited by
Pawel Madejski

ISBN 978-3-0365-6796-9 (Hardback)
ISBN 978-3-0365-6797-6 (PDF)



This Special Issue aims to cover the recent research results being developed, both theoretically and experimentally, on the laboratory, pilot, and industrial scale about thermal processes in power plants. This reprint focuses on thermal and flow processes and their impact on highly efficient and low-emission electricity generation and heat production in thermal power plants. Special attention is given to steam condensers and separators for application in thermal power plants, development systems and tools for heat production forecasting in combined heat and power plants, presenting such ideas as the negative CO₂ emission gas power plant cycle and production of gas fuels by sewage sludge gasification as well as about methods and techniques for CO₂ capture.

The research investigation results can find implementation in real-scale power technologies such as steam power plants, gas power plants, nuclear power plants, and hybrid power plants based on renewable energy sources.



Order Your Print Copy
You can order print copies at
www.mdpi.com/books/reprint/6916

MDPI Books offers quality open access book publishing to promote the exchange of ideas and knowledge in a globalized world. MDPI Books encompasses all the benefits of open access – high availability and visibility, as well as wide and rapid dissemination. With MDPI Books, you can complement the digital version of your work with a high quality printed counterpart.



Open Access

Your scholarly work is accessible worldwide without any restrictions. All authors retain the copyright for their work distributed under the terms of the Creative Commons Attribution License.



Author Focus

Authors and editors profit from MDPI's over two decades of experience in open access publishing, our customized personal support throughout the entire publication process, and competitive processing charges as well as unique contributor discounts on book purchases.



High Quality & Rapid Publication

MDPI ensures a thorough review for all published items and provides a fast publication procedure. State-of-the-art research and time-sensitive topics are released with a minimum amount of delay.



High Visibility

Due to our global network and well-known channel partners, we ensure maximum visibility and broad dissemination. Title information of books is sent to international indexing databases and archives, such as the Directory of Open Access Books (DOAB), and the Verzeichnis Lieferbarer Bücher (VLB).



Print on Demand and Multiple Formats

MDPI Books are available for purchase and to read online at any time. Our print-on-demand service offers a sustainable, cost-effective and fast way to publish MDPI Books printed versions.