

Editorial

Wind Power: An Important Source in Energy Systems

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It is my great pleasure to welcome you to the inaugural issue of *Wind*.

Wind energy is quickly developing as a promising renewable energy technology. Wind turbine size continues to increase: 14 MW and even larger wind turbines will be in operation soon [1] and the levelized cost of wind energy is reducing and becoming comparable with fossil fuel-based power generation technology [2]. Offshore wind is undergoing rapid development, as many large offshore wind farms have been built and even more have been planned. In some countries/regions, wind power has become the dominant power sources; for example, in Denmark about 48% of the electricity consumption in 2020 was supplied by wind energy [3]. Furthermore, wind power is extending its utilization into multi-energy sectors with wind power-X, (e.g., conversion to heat, hydrogen etc.). The exciting developments in wind power are indispensably supported by technological innovations, market mechanisms and administration policies. The journal *Wind* comes with this exciting background to further promote innovations in these technologies, markets and policies.

Wind, as an open access journal, is dedicated to disseminating rigorously peer-reviewed publications to advance knowledge and technology in wind-energy-related areas. The journal brings many opportunities for actively spreading novel concepts and advancements in multi-disciplinary wind technology and related issues by covering the wind-related scientific and engineering aspects, including but not limited to meteorology, materials, and civil, mechanical, and electrical engineering, as well as the related subjects, such as wind-energy-related economics, and social and environmental topics. Contributions from the industry are particularly welcomed.

This broad scope represents the wide spectrum of wind-energy-related topics; however, the journal focuses on novel concepts and perspectives, and innovative technologies of wind energy from which readers can benefit. The readers may cover academic researchers and postgraduate students, practicing and consulting engineers, developers and technical staff in research institutions and the industry, economists, government professionals and energy policymakers. Operating beyond the traditional disciplinary boundaries, the journal provides a venue for both specialized and multi-disciplinary research on wind energy and its associated areas.

As an open-access journal, *Wind* aims to provide high visibility and timely impact and is committed to rapid publication. The efficient systems and team that MDPI have developed over the years facilitate the timely and high-quality review of the submissions, while online publication allows rapid and wide dissemination.

Wind publishes full research papers, communication letters and review articles. There is no restriction on the length of papers and no additional charges for color figures. Details on the derivation of formulae, calculations and experimental procedures can be supplied as Supplementary Materials in the format of electronic files.

It is my honor to have the opportunity to work with the outstanding and growing editorial board, which comprises highly accomplished experts in various wind-energy-related subject areas. I look forward to cooperating with this excellent team in the coming years to establish *Wind* as a leading influential journal in the field.

I also wish to hear from you, our readers and authors, and to work with you in developing the journal as an effective forum and serving the community. Together, we can



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advance our knowledge and technology to make wind energy an effective and important source in our energy systems and make a difference in society.

Conflicts of Interest: The author declares no conflict of interest.

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Short Biography of Author



Prof. Dr. **Zhe Chen** has been a Professor of the Department of Energy Technology, Aalborg University, Denmark, since 2002. He received his Ph.D. degree in Power and Control from the University of Durham, England. Professor Chen is the leader of the Wind Power System Research Program at the Department of Energy Technology, Aalborg University. His main current research interests are wind energy, power electronics, power systems and modern energy systems. In these areas, he has led many international and national research projects and has supervised many Ph.D. and postdoctoral researchers, and his lab has attracted more than 100 visiting scholars. He has authored/co-authored more than 800 technical publications. He is a panel member and a review expert for many international funding organizations. Dr. Chen is a member of the editorial boards of many international journals. He is a Fellow of IET, a Chartered Engineer in the UK, a Fellow of IEEE and a member of the Danish Academy of Technical Sciences.