



Artificial Intelligence for Meteorology Applications

Guest Editors:

Prof. Dr. Wei Fang

School of Computer, Engineering
Research Center of Digital
Forensics, Ministry of Education,
Nanjing University of Information
Science and Technology, Nanjing
210044, China

Dr. Victor S. Sheng

Department of Computer, Texas
Tech University, Lubbock, TX
79409, USA

Dr. Qiguang Wang

China Meteorological
Administration Training Center,
China Meteorological
Administration, Beijing 100081,
China

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Message from the Guest Editors

Dear Colleagues,

The Artificial Intelligence (AI) is playing a more and more essential role in the industrial revolution and we are seeking a lot of evolution in various machine learning methodologies. Forecast of meteorological disasters is an important and challenging worldwide problem. Various techniques have been used to solve it, but the accuracy of them is not high due to the highly nonlinear, random, and complex nature of precipitation. In recent years, with the rapid development of artificial intelligence technology, it has gradually penetrated into all aspects of people's lives, and the meteorological field are no exception. This Special Issue aims at bring together top academic scientists, researchers and research scholars to exchange and share their experience and research results in all aspects of the application of meteorology based on artificial intelligence. It also provides an important interdisciplinary platform for researchers, practitioners and educators to show and discuss the latest innovations, trends and concerns in the field of meteorological applications, as well as the practical challenges and solutions.





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Editor-in-Chief

Dr. Daniele Contini

Institute of Atmospheric Sciences
and Climate (ISAC), National
Research Council (CNR), Str. Prv.
Lecce-Monteroni km 1.2, 73100
Lecce, Italy

Message from the Editor-in-Chief

Continued developments in instrumentation and modeling have driven atmospheric science to become increasingly more complex with a deeper understanding of concepts, mechanisms, and interactions. This is the field that innovation built and it has led to a better appreciation for the complexity with atmosphere. Human life is intertwined in this complexity as we strive to better understand our atmosphere. Climate change is constantly stretching the limits of our thinking and forcing new ideas and concepts to be played out. Welcome to the Anthropocene!

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Contact Us

Atmosphere Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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