

Climate System Study - Global monsoon perspective - By Hiroaki UEDA

This book is intended for graduate students and research workers in earth system studies and global change research who may have interest in extreme climate event, global warming and paleo-climate.

The global monsoon is by far the most striking phenomenon in the climate system that is regulated by atmosphere-ocean-land interactions, varying various time-scales. To know the mechanisms involved in the unusual climate such as hot summer, torrential rainfall, drought and heavy snowfall etc, which requires the high level details about the dynamic and thermodynamic processes.

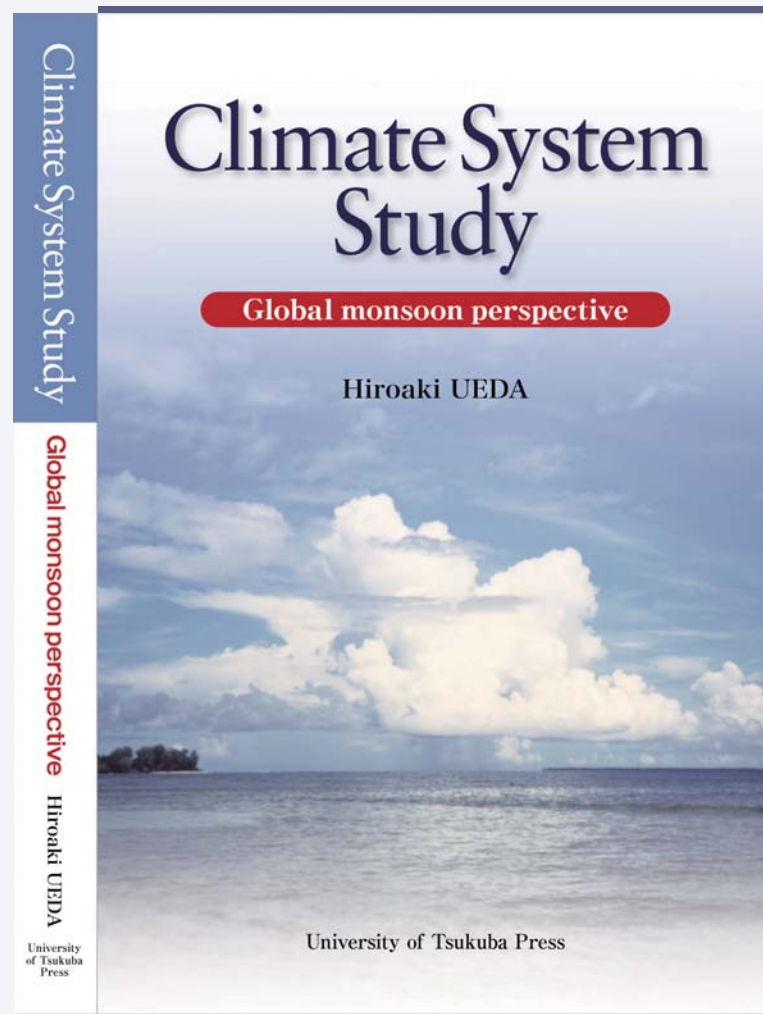
This volume also provides basic framework of the climate and ocean dynamics that can explain fluctuation of the El Niño-Southern Oscillation as well as establishment and maintenance of the global monsoon. There has been updating topics such as future projection of the global monsoon, which is added to the original Japanese book.

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気候システム論

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