Special Issue

Precipitation Measurement Instruments: Calibration, Accuracy and Performance

Message from the Guest Editor

Precipitation is one of the most challenging among environmental measurements, since accurate determination of the amount of water that would ultimately land on a well-defined portion of the ground surface in undisturbed conditions is a difficult task. This is the aim of so-called in situ measurements at the ground, with the instrument located precisely where the information is sought, therefore at one single location, immersed in the precipitation process. In situ precipitation gauges provide the only direct measurements of precipitation at the ground and are usually referred to as the “ground truth” in precipitation monitoring.

This Special Issue will focus on the science of precipitation measurements, the measuring principles, new or improved technologies, the assessment of measurement accuracy and performance and the uncertainty budget, calibration methods and laboratory testing, comparison of instruments, and field measurement campaigns. Review papers on the state-of-the-art as well as new research and innovative studies are encouraged.

Guest Editor

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Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

Editor-in-Chief

Dr. Jean-Luc PROBST
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