

October 3, 2018

Editorial Committees of JMSJ and SOLA

Call for Papers:

“Extreme Rainfall Events in 2017 and 2018”

in the Special Edition/Collection of *Journal of the Meteorological Society of Japan (JMSJ)* and *Scientific Online Letters on the Atmosphere (SOLA)*

In July 2018, heavy rainfalls occurred mainly in the western part of Japan, under the influences of Typhoon Prapiroon (2018) and the Baiu frontal activity, and caused extreme river discharge, flooding, and landslides in many places and fatalities of greater than 200, which is the worst disaster in the recent three decades. After the heavy rainfall event, record-breaking, extremely hot weather follows. About a year before the heavy rainfall event, the July 2017 Heavy Rainfall event occurred in the northern part of Kyushu Island; long-lived stationary convective systems caused extreme rainfall, leading to flooding, landslides, and forest damages at local scales. Those extreme rainfalls in 2017 and 2018 result from linear convective systems that are a type of linearly organized mesoscale convective systems. Such linear convective systems often develop under the influences of stationary fronts and tropical cyclones and have been investigated as case studies on specific extreme events; however, the behavior, maintenance mechanisms, and environmental properties of the linear convective systems have not been examined in detail. Specifically, the heavy rainfall events throughout Japan in July 2018 were affected by various meteorological conditions with spatial scales ranging from planetary-scales to mesoscales, and thus integrated views at various scales are required. Furthermore, the impacts of climate change on the development of such extreme events should also be taken into account. In this special edition/collection jointly in *JMSJ* and *SOLA* we welcome papers on generations of heavy rainfalls and extreme weathers, the properties and mechanisms of linear convective systems, predictability of heavy rainfall events and extreme weather, the impacts of climate change, focusing on recent extreme events such as the heavy rainfall events that occurred in Japan in July 2018 and the following extreme heat waves, the July 2017 Northern Kyushu Heavy Rainfall event, and other extreme weather phenomena not only in Japan but also in East Asia and other parts of the world.

About submission

Please submit the manuscripts on our online submission system.

JMSJ: <https://mc.manuscriptcentral.com/jmsj>

SOLA: <https://mc.manuscriptcentral.com/sola>

Choose ‘Extreme Rainfall in 2017/2018’ during the submission process. Please also mention that your submission is for “Extreme Rainfall in 2017/2018” in the cover letter.

The submitted manuscripts follow ordinary review procedure. The authors can choose their preferred editor-in-charge among the editors of *JMSJ* or *SOLA* or the guest editors for this special edition. Those papers that are not in time for submission or publication in the special edition may be considered for publication in ordinary issues.

Important dates

Deadline of submission:

SOLA: 31 May 2019 (extended) ~~31 March 2019~~

JMSJ: 31 October 2019 (extended) ~~31 August 2019~~

Publication:

SOLA: Special Edition, Volume 15A, 2019

JMSJ: Special Collection in 2019-2020

Special Feature

Article Processing Charge (APC) will be discounted for the published papers. The amount of the discount will be 50,000 JPY for *JMSJ* Articles, 30,000 JPY for *JMSJ* Notes, and 20,000 JPY for *SOLA* Articles.

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