

Journal of the Meteorological Society of Japan

Special Issue on Tokyo Metropolitan Area Convection Study for Extreme Weather Resilient Cities (TOMACS)

Call for Papers

Submission Deadline: 30 September 2016

Large cities with populations of several million people are inherently vulnerable to severe weather, such as torrential rainfall, lightning, and tornados. An increase in the occurrence of torrential rainfall and strong typhoons, which could be caused by climate change, can cause extensive damage to large cities. The number of days with thunderstorms has been increasing in Tokyo in recent years, and the requirement of an advanced monitoring and forecasting system for extreme weather is becoming greater. As a response to this requirement, the Tokyo Metropolitan Area Convection Study for Extreme Weather Resilient Cities (TOMACS), which is approved as the Research and Development Project (RDP) of the World Weather Research Programme (WWRP) of the World Meteorological Organization (WMO), has been conducted since July 2013 in an international framework.

Topics of interest

In this special issue, we invite all TOMACS participants to submit original research and review articles on 1) elucidation of the mechanism of local high-impact weather (LHIW), 2) improvement of nowcasting and forecasting techniques of LHIW, and 3) the implementation of high resolution weather information to end-users through social experiments. Studies on cities other than Tokyo (ex. Busan, São Paulo, Dallas and Fort-Worth) are possible.

Submission guidelines

At least one of the authors must be a participant of TOMACS. Please read carefully the "Instruction for Authors" on the JMSJ Web site (<http://jmsj.metsoc.jp/instructions.html>) before your submission. Manuscript must be submitted using ScholarOne, the online manuscript submission system at <http://mc.manuscriptcentral.com/jmsj>. Select "Yes" for the checkbox about special issue and choose "TOMACS" for the name of special issue.

Important days:

Manuscript Due	30 September 2016
End of review	30 April 2017
Publication	31 October 2017

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