



## **Meteor showers and storms in the next fifty years**

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Meteor showers offer, in principle, an opportunity to study the response of the atmosphere to the daily infall of meteoroids by temporarily increasing the influx. The detection probability for remote sensing of individual meteors is increased. Moreover, meteor showers are a manifestation of the dynamical history of meteoroid streams and the physical properties of their parent bodies. The recent Leonid storms saw the first use of several modern instrumental techniques and has led to the development of new meteor and meteoroid stream models. We used these models to study the anticipated occurrence of meteor outbursts and meteor storms in the next fifty years in order to identify opportunities for future observations, and problems that need to be addressed by observations and theory.