

Report from Commission F1: Meteors, Meteorites and Interplanetary Dust  
March 2023

The triennial conference of Commission F1, Meteoroids 2022, was held virtually from June 13-17. Oral presentations were pre-recorded by participants, and the sessions had short live presentations followed by discussion for each speaker. There were 126 presenters at the meeting, in addition to participants who did not submit posters or oral talks. The Scientific Organizing Committee consisted of the members of the Organizing Committee of Commission F1, with additional members nominated by members of the committee. The proceedings of this meeting, and additional papers in the scope of the Commission, will be published in a special issue of Planetary and Space Science; the deadline for submission is May 2023. Members of the F1 Organizing Committee are the guest editors for the issue. We look forward to the next Meteoroids meeting in 2025, which will be held in Perth, Australia.

Members of our Commission have also been participating in other meetings: the International Meteor Conference, organized by the International Meteor Organization, held their meeting in September/October 2022 in Hungary. The IMO is an amateur organization, but for decades there have been close ties between amateur and professional meteor astronomers. Our members have also organized a fireball workshop during the Meteoritical Society conference in Glasgow in August 2022.

Professionally, our members were involved in predictions of an outburst of the tau Herculid meteor shower and observations of the activity, and observations and recovery of asteroid 2023 CX1.

Our Working Group on Meteor Shower Nomenclature has been very active recently, and have recently drawn up new criteria for moving meteor showers from the working list (with over 800 candidate showers) to the list of established showers (currently 112 showers).

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Commission F1 President