

AOGS2024 (PS-08) Meteor 投稿のお願い

Dear all,

日本大学理工学部の阿部です。

AOGS2024 (2024/6/23 - 6/28 @ 韓国・平昌) において標記のセッションを開催いたします。

We are pleased to invite you to the "AOGS2024 (PS-08) Meteor". Further details are shown below:

(PS-08) Meteor

流星・火球・メテオロイド・地球衝突天体・スペースデブリ再突入 (光学観測, 電波観測, 室内実験, 軌道進化・ダストトレイル理論, 流星発光物理, etc.), 流星群・隕石関連小天体 (彗星・小惑星), 月面・木星衝突閃光など, 地球および地球外天体における「流星現象・衝突発光現象」に関して広く研究発表を受け付けております。今年は, 韓国・平昌(Pyeongchang) で開催されます。プロ・アマ問わず, 是非, 参加・発表をご検討ください。

アブストラクト投稿締め切り(既に延長) : 2024 年 1 月 10 日

<https://www.asiaoceania.org/aogs2024/public.asp?page=home.asp>

[Session]

(PS-08) Meteors

[Abstract Submission Deadline]

10 Jan 2024 (Extended)

https://www.asiaoceania.org/aogs2024/public.asp?page=submit_abstract.asp

[Registration(Early Bird Deadline)]

12 Mar 2024

[Session Description]

Meteors are atmospheric phenomena created by the impact in Earth's atmosphere of meteoroids and the small minor planets of our planetary system. They result in the creation of electrons and meteoric debris layers, loading up to 60,000 metric tons of dust per year into the uppermost layer of the Earth atmosphere, and probe atmospheric winds. The surviving meteorites probe the planetary bodies at their source. In recent years, considerable efforts have been devoted to monitoring meteoroids and small asteroids that impact Earth's atmosphere. Some global and regional fireball and meteor surveillance systems have been set up, such as Cameras for All-Sky Surveillance (CAMS), the Global Fireball

Observatory, the Canadian Meteor Orbit Radar (CMOR), the Southern Argentina Agile Meteor Radar (SAAMER), and the Meteor and ionospheric Irregularity Observation System (MIOS). Availability and accessibility of cellphone cameras and the internet have created a source of fireball imaging used to study meteorite falls (e.g. the 2018 Shangri-La fireball and the 2019 Yushu fireball). Significant progress has been made in characterizing small impactors and meteoroid streams, as well as in understanding their formation and delivery mechanisms to Earth. This session focuses on the recent progress and advances in studying meteor bodies, their impact on the upper atmosphere, phenomena made in the Pan-Pacific region, and beyond. As meteor science connects many disciplines, such as planetary astronomy, atmospheric science, and planetary geology, with this session, we hope to stimulate discussion among researchers from different institutions and countries working in different fields and to foster potential collaborations therein. Contributions in all topics related to meteor science are welcome.

[Conveners]

Dr Evgenij Zubko (Institute for Basic Science (IBS))

Prof Shinsuke Abe (Nihon University)

Dr Guozhu Li (Chinese Academy of Sciences)

Dr Zhong Yi Lin (National Central University)