

1st Indo-US Collaborative Meeting

SPACE RADIATION WORKSHOP

Radiation Characterization from Sun to Earth, Moon, Mars and Beyond

January 24-28, 2022 (ONLINE MODE)



(Funded by the Indo-US Science and Technology Forum)

Madhulika (Lika)Guhathakurta
Co-Chair: Space Radiation Workshop



24th January
Earth Day

Organizing Committee & Science Advisory Committee

Overall Organizing Committee

Prasad Subramanian (ISER Pune, India)

Lika Guhathakurta (NASA/GSFC/HQ, USA)

Hemil Modi (NASA/Ames/Science & Technology Corporation, USA)

Dipankar Banerjee (ARIES, India)

Science Advisory Committee

Nat Gopalswamy (NASA/GSFC, USA)

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S. Seetha (Raman Research Institute, India)

P. Sreekumar (ISRO, India)

Ron Turner (ANSER, USA)

Yihua Zehng (NASA/GSFC, USA)

<https://www.aries.res.in/radiation/agenda>

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Over View of the Workshop

HOME COMMITTEE SCHEDULE AGENDA PARTICIPANTS LIST REGISTRATION

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Radiation Characterization from Sun to Earth, Moon, Mars and Beyond

24th January
Earth Day

25th January
Air and Spaceflight Day

26th January
Exploration Day

27th January
Space Radiation & Biology Day

28th January
Space Situational Awareness & Opportunities Day

SAVE THE DATE!
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Goals & Objectives

Space radiation is becoming a more and more important affecting activities and systems on the surface of Earth, for aviation, spacecraft and human health. These impacts generally become more important as electronic equipment become a larger part of our daily activities, and as we venture into the skies, into space, and eventually past the Van Allen radiation belts to the Moon, Mars, Venus and beyond.

The intended outcome of this workshop will be the development of collaborative concepts for radiation detection sensors, advanced analytic models as well as other enabling technologies like AIML, that can be applied to radiation characterization and predictions at altitudes ranging from the surface of Earth, to aviation, to near-Earth space and deep-space.

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