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The Solar-Heliospheric Physics community, in coordination with NASA's Earth-Sun System Division, the National Science Foundation, and the Space Studies Board Committee on Solar and Space Physics is pleased to announce a conference on

**Solar and Space Physics and the Vision for Space Exploration**

NASA has committed to a bold new human exploration initiative to the Moon and Mars in the coming decades. Astronauts and spacecraft participating in this endeavor will be exposed to hazardous radiation and particle environments that are only partially understood.

The objective of this meeting is to bring together members of the space

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### Solar and Space Physics and the Vision for Space Exploration

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The objective of this meeting is to bring together members of the space science, planetary science, radiation physics, operations, and exploration engineering communities in order to

- Increase awareness and understanding of the complex array of solar and space physics issues pertinent to the environments of the Earth, Moon and Mars
- Identify compelling research goals necessary to ensure the success of the Vision for Space Exploration in these environments
- Define the directions that research in these fields should take over the coming decades in order to achieve these goals

A particular emphasis will be on improving predictions of solar energetic particle storms, the solar eruptions that produce them, and the impact of these on the Earth, Moon, and Mars environments.

*NOTE: Please visit the site regularly to find informational updates on such topics as registration, program schedule and addresses as well as other pertinent information.*

### Discussion Groups

Topic	Co-leaders
<b>Group A</b>	
<a href="#">Prediction on timescales of years – decades</a>	<a href="#">David Hathaway</a> , <a href="#">M. Dikpati</a>
<b>Group B</b>	
<a href="#">Prediction of timescales of days – weeks</a>	<a href="#">George Fisher</a> , <a href="#">Hugh Hudson</a>
<b>Group C</b>	
<a href="#">Propagation of Events in Progress</a>	<a href="#">Glenn Mason</a> , <a href="#">Gary Zank</a>
<b>Group D</b>	
<a href="#">Lunar/Planetary Environments</a>	<a href="#">Janet Luhmann</a> , <a href="#">Greg Delory</a>
<b>Group E</b>	
<a href="#">Dosimetry and Effects on Humans</a>	<a href="#">Steve McKeever</a> , <a href="#">Eric Benton</a>
<b>Group F</b>	
<a href="#">Effects on Instruments, Spacecraft &amp; Communications</a>	<a href="#">Jim Adams</a> , <a href="#">Eamonn Daly</a>

Wintergreen Resort, VA  
16 - 20 October 2005

<http://hesperia.gsfc.nasa.gov/sspvse>

# Vision for Space Exploration

16 - 20 October 2005

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## Scientific Organizing Committee

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[Dan Baker](#)

Posters

[Tim Bastian](#) (Chair, LOC)

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[Art Charo](#)

Location

[Brian Dennis](#)

Accommodations

[Gordon Emslie](#) (Chair, SOC)

Organizers

[Bernhard Fleck](#)

[Mike Golightly](#)

Contact

[Madhulika Guhathakurta](#)

[Mike Kaiser](#)

[Bob Lin](#)

[Stephen McKeever](#)

[Richard Mewaldt](#)

[Ron Moore](#)

[Karel Schrijver](#)

<http://hesperia.gsfc.nasa.gov>

