

2010 Space Weather Enterprise Forum

AGENDA

7:30 AM Registration and continental breakfast

Session 1: Welcome and Opening Addresses

Session Coordinator: Mr. Michael Babcock (OFCM)

8:00 AM	Forum Welcome and Introduction	Mr. Samuel P. Williamson Federal Coordinator for Meteorology
8:15 AM	Keynote Address	The Honorable Donna F. Edwards (D-MD) , Member, House Committee on Science and Technology and Vice Chair, Subcommittee on Space and Aeronautics
8:45 AM	Invited Speaker	Mr. Christopher J. Scolese , Associate Administrator, National Aeronautics and Space Administration

Session 2: A Year Moving Forward – The National Space Weather Program

Session Coordinator: Dr. Madhulika Guhathakurta (NASA)

9:30 AM	<p>In the year since the last forum, we have seen significant progress in many areas of the enterprise and in addressing perennial challenges such as sustaining solar wind monitoring from an L1 orbit. <i>A Year Moving Forward</i> presents the highlights of these advances, including contributions to building a resilient society and the successes and challenges in raising awareness of space weather in the broader community.</p> <p>Moderator: Dr. Richard Behnke, Head, Geospace Section, National Science Foundation</p> <p>Panelists:</p> <ul style="list-style-type: none">• Colonel Mark Zettlemoyer for Dr. Fred Lewis, Director of Weather, Headquarters, United States Air Force• Ms. Vickie Nadolski, Deputy Assistant Administrator for Weather Services and Deputy Director, National Weather Service• Dr. Richard Fisher, Director, Heliophysics Division, NASA Headquarters• Ms. Mary Kicza, Assistant Administrator for Satellite and Information Services, National Oceanic and Atmospheric Administration
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10:30 AM Morning Break

Session 3: The Future of Space Weather Science and Research Transition to Operations*Session Coordinator: Mr. Michael Bonadonna (OFCM)*

11:00 AM	<p>In many ways, today's state of the science and state of the art in space weather operations are comparable to terrestrial weather several decades ago. In the last ten years, we have seen great strides in discovery and physical understanding but much work remains. Research is the foundation of the enterprise and the transition of research results into operational capability is the bridge over the National Research Council's "Valley of Death." Without the physical understanding and the related operational capability, we have little hope of building an informed and resilient society. <i>The Future of Space Weather Science and Research Transition to Operations</i> examines recent and imminent breakthroughs and the implications for the enterprise and society.</p> <p>Moderator: Dr. Louis Lanzerotti, Distinguished Research Professor of Physics, Center for Solar-Terrestrial Research, New Jersey Institute of Technology</p> <p>Panelists:</p> <ul style="list-style-type: none"> • Dr. Steven Butler, Executive Director, Air Force Materiel Command • Captain Paul Stewart (USN), Commanding Officer, Naval Research Laboratory, Washington, D.C. • Dr. Arthur Charo, Senior Program Officer, Space Studies Board, National Research Council • Dr. Devrie S. Intriligator, Director, Space Plasma Laboratory, Carmel Research Center
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Luncheon: Served in the meeting room, 12:00 to 1:15 PM

12:25 PM	Introduction of Luncheon Speaker	Mr. Samuel P. Williamson Federal Coordinator for Meteorology
12:30 PM	Luncheon Speaker	Mr. Jay Reich , Deputy Chief of Staff, U.S. Department of Commerce

1:15 PM Brief Break / Clear Lunch from Tables

Session 4: International Activities and Cooperation

Session Coordinator: *Dr. Thomas Bogdan (NOAA SWPC)*

1:30 PM	<p>One senior leader in the enterprise has called space weather a team sport and space weather's inherently global nature makes this an international team. An informed and resilient society spans national borders and <i>International Activities and Cooperation</i> provides a global update and perspective on the forum theme.</p> <p>Moderator: Dr. Joseph Davila, Senior Scientist for Solar Physics, Heliophysics Science Division - NASA Goddard Space Flight Center</p> <p>Panelists:</p> <ul style="list-style-type: none"> • Dr. Hans Haubold, United Nations Office for Outer Space Affairs • Mr. Juha-Pekka Luntama, Space Situational Awareness Programme, Space Weather Manager, European Space Agency, European Space Astronomy Centre, Madrid, Spain • Dr. David Kendall, Director General for Science and Technology, Canadian Space Agency • Mr. Richard H. Buenneke, Deputy Director, Space Policy, Bureau of International Security and Nonproliferation, U.S. Department of State
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2:30 PM Afternoon Break

Featured Speaker

2:55 PM	Introduction of Featured Speaker	Mr. Samuel P. Williamson Federal Coordinator for Meteorology
3:00 PM	Featured Speaker	Mr. W. Craig Fugate , Administrator, Federal Emergency Management Agency

Session 5: Critical Infrastructure Support

Session Coordinator: Colonel Mark Zettlemoyer (Dir. Of Weather, HQ U.S. Air Force)

3:30 PM	<p>We depend on critical systems and activities that can be affected by space weather, such as the electric power grid, communications, positioning and navigation, and national security. These effects must be understood, mitigation actions developed, and acceptable levels of risk assessed to build and support an informed and resilient society. <i>Critical Infrastructure Support</i> examines these areas, including identifying potential approaches to raising awareness and building resiliency, and employing the social sciences for greatest effectiveness.</p> <p>Moderator: Dr. Daniel Baker, Director, Laboratory for Atmospheric and Space Physics, University of Colorado-Boulder</p> <p>Panelists:</p> <ul style="list-style-type: none"> • Rear Admiral Diane Webber, Director, Command Control Systems, North American Aerospace Defense Command and U.S. Northern Command • Dr. Chris Beck, Congressional Staff Member, House Committee on Homeland Security • Dr. Denise Stephenson Hawk, Consultant and Former Director, Societal-Environmental Research and Education Laboratory, National Center for Atmospheric Research
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Session 6: Summary and Wrap-Up

Session Coordinator: Mr. Michael Babcock (OFCM)

4:30 PM	Forum Wrap-up and Summary of Key Points	Dr. Louis Lanzerotti , Distinguished Research Professor of Physics, Center for Solar-Terrestrial Research, New Jersey Institute of Technology
4:45 PM	Closing Remarks	Mr. Samuel P. Williamson Federal Coordinator for Meteorology

Reception, Networking, and Informal Discussions in the *First Amendment Room*

5:00 – 6:30 PM