Record Nr. UNINA9910464588903321 **Titolo** Solar and space physics: a science for a technological society / / Committee on a Decadal Strategy for Solar and Space Physics (Heliophysics), Space Studies Board, Aeronautics and Space Engineering Board, Division on Engineering and Physical Sciences, National Research Council of the National Academies Washington, District of Columbia:,: The National Academies Press,, Pubbl/distr/stampa [2013] ©2013 **ISBN** 0-309-16429-X Descrizione fisica 1 online resource (466 p.) Disciplina 523.01 Soggetti Space sciences Heliosphere (Astrophysics) Solar activity Electronic books. Outer space Exploration Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references. ""Front Matter""; ""Preface""; ""Acknowledgment of Members of the Nota di contenuto Decadal Survey Working Groups""; ""Acknowledgment of Reviewers""; ""Contents""; ""Summary""; ""Part I: Report from the Decadal Survey Committee""; ""1 Enabling Discovery in Solar and Space Physics""; ""2 Solar and Space Physics: Recent Discoveries, Future Frontiers""; ""3 Addressing Societal Needs"; ""4 Recommendations""; ""5 NSF Program Implementation""; ""6 NASA Program Implementation""; ""7 Space Weather and Space Climatology: A Vision for Future Capabilities"" ""Part II: Reports to the Survey Committee from the Discipline Panels""" 8 Report of the Panel on Atmosphere-Ionosphere-Magnetosphere Interactions""; ""9 Report of the Panel on Solar Wind-Magnetosphere Interactions""; ""10 Report of the Panel on Solar and Heliospheric

Physics""; ""Appendixes""; ""Appendix A: Statement of Task and Work Plan""; ""Appendix B: Instrumentation, Data Systems, and Technology"";

""Appendix C: Toward a Diversified, Distributed Sensor Deployment Strategy""; ""Appendix D: Education and Workforce Issues in Solar and Space Physics""

""Appendix E: Mission Development and Assessment Process"""

Appendix F: Committee, Panels, and Staff Biographical Information"";

""Appendix G: Acronyms""; ""Appendix H: Request for Information from the Community""; ""Appendix I: List of Responses to Request for Information""