

1. Record Nr.	UNINA9910465675503321
Titolo	Advancing the science of climate change [[electronic resource]] / National Research Council of the National Academies
Pubbl/distr/stampa	Washington, D.C., : National Academies Press, 2010
ISBN	1-282-94849-0 9786612948497 0-309-14589-9
Descrizione fisica	1 online resource (525 p.)
Collana	America's climate choices Advancing the science of climate change
Disciplina	363.73874
Soggetti	Climatic changes - Research - United States Climatic changes - United States Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"America's Climate Choices: Panel on Advancing the Science of Climate Change, Board on Atmospheric Sciences and Climate, Division on Earth and Life Studies."
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	""Front Matter""; ""Foreword: About America's Climate Choices""; ""Preface""; ""Acknowledgments""; ""Contents""; ""Summary""; ""Part I""; ""1 Introduction: Science for Understanding and Responding to Climate Change""; ""2 What We Know About Climate Change and Its Interactions with People and Ecosystems""; ""3 A New Era of Climate Change Research""; ""4 Integrative Themes for Climate Change Research""; ""5 Recommendations for Meeting the Challenge of Climate Change Research""; ""Part II: Technical Chapters""; ""6 Changes in the Climate System""; ""7 Sea Level Rise and the Coastal Environment""; ""8 Freshwater Resources""; ""9 Ecosystems, Ecosystem Services, and Biodiversity""; ""10 Agriculture, Fisheries, and Food Production""; ""11 Public Health""; ""12 Cities and the Built Environment""; ""13 Transportation""; ""14 Energy Supply and Use""; ""15 Solar Radiation Management""; ""16 National and Human Security""; ""17 Designing, Implementing, and Evaluating Climate Policies""; ""References""; ""Appendix A: America's Climate Choices: Membership Lists""; ""Appendix B: Panel on Advancing the Science of Climate Change: Statement of Task""

""Appendix C: Panel on Advancing the Science of Climate Change: Biographical Sketches""""Appendix D: Uncertainty Terminology""";
""Appendix E: The United States Global Change Research Program""; ""Appendix F: Geoengineering Options to Respond to Climate Change: Steps to Establish a Research Agenda""; ""Appendix G: Acronyms and Initialisms""

2. Record Nr.	UNINA9910299929703321
Titolo	Informed Architecture : Computational Strategies in Architectural Design // edited by Marco Hemmerling, Luigi Cocchiarella
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2018
ISBN	3-319-53135-2
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (XV, 193 p. 162 illus., 114 illus. in color.)
Disciplina	519
Soggetti	Applied mathematics Engineering mathematics Technical education Interior architecture Graphic design Mathematical and Computational Engineering Engineering/Technology Education Interior Architecture and Design Graphic Design Interaction Design
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Sommario/riassunto	This book connects the different topics and professions involved in information technology approaches to architectural design, ranging from computer-aided design, building information modeling and programming to simulation, digital representation, augmented and

virtual reality, digital fabrication and physical computation. The contributions include experts' academic and practical experiences and findings in research and advanced applications, covering the fields of architecture, engineering, design and mathematics. What are the conditions, constraints and opportunities of this digital revolution for architecture? How do processes change and influence the result? What does it mean for the collaboration and roles of the partners involved. And last but not least: how does academia reflect and shape this development and what does the future hold? Following the sequence of architectural production - from design to fabrication and construction up to the operation of buildings - the book discusses the impact of computational methods and technologies and its consequences for the education of future architects and designers. It offers detailed insights into the processes involved and considers them in the context of our technical, historical, social and cultural environment. Intended mainly for academic researchers, the book is also of interest to master's level students.
