Record Nr. UNINA9910820963003321 Beyond bias and barriers: fulfilling the potential of women in academic **Titolo** science and engineering // Committee on Maximizing the Potential of Women in Academic Science and Engineering, Committee on Science, Engineering, and Public Policy Pubbl/distr/stampa Washington, DC,: National Academies Press, c2006 **ISBN** 0-309-13365-3 1-280-84432-9 9786610844326 0-309-65454-8 Edizione [1st ed.] 1 online resource (345 p.) Descrizione fisica Disciplina 500.82/0973 Soggetti Women in science - United States Women in engineering - United States Science - Study and teaching - United States Engineering - Study and teaching - United States Women - Education - United States Vocational interests - United States Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references and index. ""Front Matter""; ""Preface""; ""Acknowledgments""; ""Contents""; Nota di contenuto ""Figures, Tables, and Boxes""; ""Summary""; ""1 Introduction""; ""2 Learning and Performance"; ""3 Examining Persistence and Attrition""; ""4 Success and Its Evaluation in Science and Engineering""; ""5 Institutional Constraints""; ""6 Fulfilling the Potential of Women in Academic Science and Engineering"; ""Appendixes""; ""Appendix A Biographical Information""; ""Appendix B Statement of Task""; ""Appendix C Chapter 4, Measuring Racial Discrimination, Theories of Discrimination""; ""Appendix D References""; ""Index"" Sommario/riassunto The United States economy relies on the productivity, entrepreneurship, and creativity of its people. To maintain its scientific and engineering

leadership amid increasing economic and educational globalization, the

United States must aggressively pursue the innovative capacity of all of its people--women and men. Women make up an increasing proportion of science and engineering majors at all institutions, including top programs such as those at the Massachusetts Institute of Technology where women make up 51% of its science undergraduates and 35% of its engineering undergraduates. For women to participate to their full potential across all science and engineering fields, they must see a career path that allows them to reach their full intellectual potential. Much remains to be done to achieve that goal--Summary, p. S-1.