

1. Record Nr.	UNINA9910784667903321
Titolo	Removing barriers [[electronic resource]] : women in academic science, technology, engineering, and mathematics / / edited by Jill M. Bystydzienski and Sharon R. Bird
Pubbl/distr/stampa	Bloomington, : Indiana University Press, c2006
ISBN	9786612072703 1-282-07270-6 0-253-11173-0
Descrizione fisica	1 online resource (361 p.)
Altri autori (Persone)	BystydzienskiJill M. <1949-> BirdSharon R. <1965->
Disciplina	305.43/5
Soggetti	Women in science Women scientists - Employment Feminism and science
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Papers originally presented at a 2002 conference at Iowa State University, "Retaining Women in Early Academic Science, Technology, Engineering and Mathematics (STEM) Careers."
Nota di bibliografia	Includes bibliographical references (p. [333]-335) and index.
Nota di contenuto	Sustaining Gains: Reflections on Women in Science and Technology in the Twentieth- Century United States / Sally Gregory Kohlstedt -- From "Engineeresses" to "Girl Engineers" to "Good Engineers": A History of Women's U.S. Engineering Education / Amy Sue Bix -- Using POWRE to ADVANCE: Institutional Barriers Identified by Women Scientists and Engineers / Sue V. Rosser -- Telling Stories about Engineering: Group Dynamics and Resistance to Diversity / Cynthia Burack and Suzanne E. Franks -- The Gender Gap in Information Technology / Mo-Yin S. Tam and Gilbert W. Bassett, Jr. -- African American Women in Science: Experiences from High School through the Post- secondary Years and Beyond / Sandra L. Hanson -- African Women Pursuing Graduate Studies in the Sciences: Racism, Gender Bias, and Third World Marginality / Josephine Beoku-Betts -- Gendered Experiences in the Science Classroom / Molly J. Dingel -- The Construction of Sexual Bimorphism and Heterosexuality in the Animal Kingdom / Kirsten

Smilla Ebeling -- Feminism and Science: Mechanism without Reductionism / Carla Fehr -- Across the Language Barrier: Gender in Plant Biology and Feminist Theory / Dana A. Dule and Meryl Altman -- The Graduate Experience of Women in STEM and How It Could Be Improved / Anne J. MacLachlan -- How Can Women and Students of Color Come to Belong in Graduate Mathematics? / Abbe H. Herzig -- Designing Gender-Sensitive Computer Games to Close the Gender Gap in Technology / Anna M. Martinson -- Making Sense of Retention: An Examination of Undergraduate Women's Participation in Physics Courses / Heidi Fencl and Karen R. Scheel -- Creating Academic Career Opportunities for Women in Science: Lessons from Liberal Arts Colleges / Neal B. Abraham -- Beyond Gender Schemas: Improving the Advancement of Women in Academia / Virginia Valian.

Sommario/riassunto

Movement into academic science, technology, engineering, and mathematics (STEM) fields has been slow for women and minorities. Not only are women and minorities underrepresented in STEM careers, there is strong evidence that many academic departments are resistant to addressing the concerns that keep them from entering careers in these fields. In light of recent controversies surrounding these issues, this volume, examining reasons for the persistence of barriers that block the full participation and a
