

1. Record Nr.	UNISA996308843903316
Titolo	Gender in science and technology : interdisciplinary approaches // edited by Waltraud Ernst, Ilona Horwath
Pubbl/distr/stampa	Bielefeld, Germany : , : Transcript Verlag, , [2014] ©2014
ISBN	3-8394-2434-8
Edizione	[1st ed.]
Descrizione fisica	1 online resource (243 pages)
Collana	Gender Studies
Classificazione	MS 3020
Disciplina	303.483
Soggetti	Technology - Sex differences Science - Sex differences Women in technology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	1 TABLE OF CONTENTS 5 INTRODUCTION 7 GENDERING THE TECHNOLOGICAL IMAGINATION 19 FEMINIST INTERVENTIONS IN THE DESIGN PROCESS 41 SEARCHING FOR METHODOLOGY 57 MASKS BETWEEN THE VISIBLE AND THE INVISIBLE 79 HOMUNCULUS IN THE HORMONES? 111 MOTHERHOOD AND SCIENTIFIC INNOVATION 129 DIFFRACTION PATTERNS? 147 GENDER RESEARCH AS KNOWLEDGE RESOURCE IN TECHNOLOGY AND ENGINEERING 165 CAN WOMEN ENGINEERS BE 'REAL ENGINEERS' AND 'REAL WOMEN'? 187 SIMILAR BUT DIFFERENT? 205 GENDER COMPETENCE IN MATHEMATICS TEACHER EDUCATION 235 CONTRIBUTORS 259
Sommario/riassunto	What role does gender play in scientific research and the development of technologies? This book provides methodological expertise, research experiences and empirical findings in the dynamic field of Science and Technology Studies. The authors, coming from computer science, social sciences, or cultural studies of science, discuss how to ask questions about gender and give examples for the application in interdisciplinary research, development and teaching. Topics range from the design of information and communication technologies, epistemologies of biology and chemistry to teaching mathematics and professional processes in engineering. Contributions by Anne Balsamo,

Wendy Faulkner, Rebecca Jordan-Young, Barbara Orland, Els Rommes, and others.

»A highly informative, thought-provoking and well-structured contribution to the field of Feminist Science and Technology Studies and an inspiration for any student, academic or researcher interested in ways of challenging inequalities of and in science and technology.« Marie Larsson, International Journal of Gender, Science and Technology, 8/2 (2016) »Das Buch [ist] aus wissenschaftlicher Perspektive sehr bereichernd, da es einen Einblick in faszinierende Forschungsperspektiven und unterschiedlichste technologische Gebiete ermöglicht. Spannend an und in dem vorliegenden Buch ist die Synthese von radikalem Konstruktivismus und den naturwissenschaftlichen Referenzen des ›New Materialism‹. Gerade hier liegt abstraktes und praktisches Potential.« Diana Schellenberg, querelles-net, 15/3 (2014) »[Das Buch] bringt die Diskussion um Frauen in Naturwissenschaften und Technik auf den neuesten Stand. Theoretische Zugänge aus den unterschiedlichsten Wissenschaftsbereichen zeichnen ein umfangreiches Bild, das auch bislang unentdeckte Bereiche des Themas auszuleuchten vermag.« AVIVA Berlin, 2 (2014) Reviewed in: GMK-Newsletter, 1 (2014) ESNA-Bulletin, 163 (2014), Alice Naomi Rodgers The Quarterly Review of Biology, 91/1 (2016)
