

1. Record Nr.	UNINA9910799931503321
Titolo	Advancing diversity, inclusion, and social justice through human systems engineering // edited by Rod D. Roscoe, Erin K. Chiou, Abigail R. Wooldridge
Pubbl/distr/stampa	Boca Raton : , : CRC Press, , 2020
ISBN	0-429-75939-8 0-429-42590-2 0-429-75940-1
Descrizione fisica	1 online resource (308 pages) : illustrations
Disciplina	303.483
Soggetti	System design - Social aspects Human engineering - Research - Social aspects Systems engineering - Social aspects Multiculturalism Social justice
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Human Systems Engineering for Societal Transformation : A Tale of Two Cities / Nancy Cooke -- Inclusive Decision Making : Applying Human Factors Methods to Capture the Needs and Voices of Marginalized Populations / Jacklin Stonewall, Michael C. Dorneich, Linda Shenk, Caroline C. Krejci, and Ulrike Passe -- HFE in Underdeveloped Countries : How Do We Facilitate Equitable, Egalitarian, and Respectful Progress? / Andrew Thatcher and Andrew Todd -- Researcher Reflections on Human Factors and Health Equity / Richard J. Holden, Tammy Toscos, and Carly N. Daley -- The Intersection of Human Factors Engineering and Health Equity / Deliya B. Wesley, Christian Boxley, Stefanie Kurgatt, Christopher J. King, and Kristen E. Miller -- Using Work Domain Analysis to Advocate for Social Justice: Meeting the Needs of Resource-Constrained Societies / Natalie C. Benda and Ann M. Bisantz -- A Human Factors Engineer's Journey Into Enhancing LGBT Status in Academia / Ellen J. Bass -- All Are Welcome but Terms and Conditions Apply / Audrey Reinert -- "Nothing About Us Without Us" Transforming

Participatory Research and Ethics in Human Systems Engineering / Rua M. Williams and Juan E. Gilbert -- Ergonomic Analysis of Working Conditions of a Recycler Community in Medellín, Colombia / Yordan Rodriguez and Jamie Gaviria -- Guiding Technology Design to Empower Older Adults to Actively Engage in Society / Maurita T. Harris, Qiong Nie, and Wendy A. Rogers -- Inclusive Wearable Design: Developing a Set of Characteristics of Socially Acceptable BCI Devices for Women / France Jackson, Isabel Laurenceau, and Juan E. Gilbert -- Automation, Work, and Racial Equity: How Human Systems Engineering Can Shape the Future of Work / Shannon C. Roberts, Laurel Smith-Doerr, Shlomo Zilberstein, Henry Renski, Enobong H. Branch, and Tiamba Wilkerson -- The Learning Research and Development Center Summer Undergraduate Research Internship: A Diversity Internship in the Learning Sciences / Natasha Tokowicz -- Facilitating a Sense of Belonging for Women of Color in Engineering: The Case for Virtual Internships / Golnaz Arastoopour Irgens -- Leading an EDI Strategy in a UK University: Reflections from an HFE Professional / Sarah Sharples -- Developing an Effective Diversity Training Intervention: Best Practices and Challenges / Preeya Ninan, Jennifer Feitosa, and Fabrice Delice -- Reimagining Community-Based Research and Action in Human Factors: A Dialogue Across Disciplines / Rupa S. Valdez and David S. Edmunds

Sommario/riassunto

"Advancing Diversity, Inclusion, and Social Justice through Human Systems Engineering highlights how scholars and practitioners of HSE (inclusively defined to span many fields) can apply their theories and methods to understand and support healthy communities, include and empower diverse populations, and inspire strategies for a more inclusive future. This volume brings together experts from human factors, ergonomics, psychology, human-computer interaction, and more to demonstrate how these fields can be applied to societal challenges and solutions. Through a blend of research reports, literature reviews, and personal narratives, this volume explores these issues from the individual to the global scale, across diverse populations, and across multiple continents"--
