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Nota di contenuto	Introduction to the international handbook of engineering education research / Aditya Johri -- The historically global forming of engineering education / Aparajith Ramnath, Amy Sue Bix, Christine Wineberg, Aive Pevkur Eddie -- Gaps, resources, and potentials for growth in comparative engineering education research / Xiaofeng Tang, Jennifer Case, Andres Valderrama Pineda -- Decolonization in engineering education / Jillian Seniuk Cicek, Stephanie Masta, Tom Goldfinch, Bruce Kloot -- Developing a global and culturally inclusive vision of engineering ethics education and research / Diana Martin, Alison Gwynne-Evans, Alexandra Kazakova, Qin Zhu -- Disrupting engineering education / Euan Lindsay, Roger Hadgraft, Ron Ulseth, Fiona Boyle -- The role and use of theory in engineering education research / Andrea Goncher, Ashish Hingle, Aditya Johri, Jennifer Case -- Emotions in engineering education / Johanna Lonngren, Ines Direito, Roland Tormey, James Huff -- Advancing an integrative perspective of identity in engineering education / James Huff, Monique Ross -- Critical and cultural analysis of engineering learning / Stephen Secules, Greses Perez, Roy Pea, Aditya Johri -- Critical perspectives on diversity, equity, and inclusion research in engineering education / Joel Mejia, Julie Martin -- Professional learning for pre-college engineering

teachers / Adam Carberry, Stacy Klein-Gardner, Pamela Lottero-Perdue, Katherine Shirey -- Engineering graduate education in the United States / Gabriella Coloyan Fleming, Maura Borrego, David Knight -- The overlooked impact of faculty on engineering education / Stephanie Cutler, Alexandra Coso Strong -- Informal learning as opportunity for competency development and broadened engagement in engineering / Madeline Polmear, Shannon Chance, Roger Hadgraft, Corrinne Shaw -- Enabling a skilled and diverse engineering workforce with non-degree credentials / Helen L. Chen, Abisola Kusimo, Isabel Cardenas-Navia -- Institutionalizing social justice in engineering curricula / Diana Chen, Gordon Hoople, Jon Leydens, Cindy Rottmann -- Transforming engineering education through social capital in response to hidden curriculum / Idalis Villanueva Alarcon, Victoria Sellers, Robyn Mae Paul, Buffy Smith -- Collaborative learning in engineering education / Emma Mercier, Molly Hathaway Goldstein, Preethi Baligar, Robin Jephthah Rajarathinam -- Teaching for creativity, entrepreneurship, and leadership in engineering / Sarah Zappe, Aileen Huang-Saad, Nathalie Duval-Couetil, Denise Simmons -- Educating the whole engineer by integrating engineering and the liberal arts / Sarah Hitt, Amy Banzaert, Olga Pierrakos -- Engineering education and online learning / Andrea Gregg, Nada Dabbagh -- The use of extended reality (XR), wearable, and haptic technologies for learning across engineering disciplines / Diana Bairaktarova, Andrew Valentine, Rami Ghannam -- Online laboratories in engineering education research and practice / Dominik May, Gustavo R. Alves, Alexander A. Kist, Susan Zvacek -- Towards a techno-social realist approach in primary and secondary computing education / Aman Yadav, Michael Lachney -- A selective review of computing education research / Lauri Malmi, Aditya Johri -- Delineating anti-Blackness in engineering education research methodology / James Holly Jr, Kelly Cross, Walter Lee -- Broadening dissemination genres to share hidden insight via design cases in engineering education research / Vanessa Svihla, Lizandra C. Godwin, Ardeshir Raihanian Mashhadi, Jennifer R. Brown -- Considerations for engineering education research using quantitative methods / Margret Hjalmarson, Geoffrey Herman, Kerrie Douglas -- Advanced considerations in quantitative methods for new directions in engineering education research / Andrew Katz, Allison Godwin, Cory Brozina -- Contemporary approaches to equitable assessment of complex engineering competencies / Kerrie Douglas, Knut Neumann, Maria Elena Oliveri -- The future of engineering education research / Jeffrey Buckley, Patric Wallin, Esther Matemba, Jason Power, Atasi Mohanty, Gunter Bombaerts.

Sommario/riassunto

"This comprehensive handbook offers a broad overview of contemporary research on engineering education and its practical application. Over the past two decades, the field of engineering education research (EER) has become a vibrant and impactful community with new journals, conferences, and doctoral and research programs established across the globe. The increased interest in this area has helped to improve the education and training of the next generation of engineers, as well as supporting growth in the use of technology for teaching and learning, increased attention to broadening participation, diversity and inclusion in the field, and a wide international expansion of the field. Drawing on the work of 100 expert contributors from over 20 countries, this volume covers both emergent and established areas of research within engineering education, giving voice to newcomers to the field as well as perspectives from established experts. Contents include: Sociocognitive and affective perspectives on engineering education; Technology and online learning

in engineering education; Cultural and ethical issues including diversity, equity, and inclusion in engineering education; Curriculum design, teaching practices, and teacher education at all levels; Research methods and assessment in engineering education. This book offers an innovative and in-depth overview of engineering education scholarship and practice, which will be of use to researchers in engineering education, engineering educators and faculty, teacher educators in engineering education or STEM education, and other engineering and STEM-related professional organizations"--

2. Record Nr.	UNINA9910166951303321
Autore	Kreyenfeld Michaela
Titolo	Childlessness in Europe: Contexts, Causes, and Consequences // edited by Michaela Kreyenfeld, Dirk Konietzka
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Descrizione fisica	1 online resource (XI, 370 p. 89 illus., 3 illus. in color.)
Collana	Demographic Research Monographs, A Series of the Max Planck Institute for Demographic Research, , 2197-9286
Classificazione	POL029000SOC006000SOC026000
Disciplina	304.6
Soggetti	Demography Population Population - Economic aspects Sociology Population and Demography Population Economics
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Livello bibliografico	Monografia
Nota di contenuto	Part I: Childlessness in Europe: An Overview: Analyzing Childlessness: Michaela Kreyenfeld & Dirk Konietzka -- Childlessness in Europe: Reconstructing Long-Term Trends among Women Born in 1900-1972: Tomáš Sobotka -- Part II: Country Studies: Childlessness in the UK: Ann Berrington -- Childlessness in France: Katja Köppen, Magali Mazuy &

Laurent Toulemon -- Childlessness in East and West Germany: Michaela Kreyenfeld & Dirk Konietzka -- Childlessness in Switzerland and Austria: Marion Burkimsher & Kryštof Zeman -- Childlessness in Finland: Anna Rotkirch & Anneli Miettinen -- Childlessness in the United States: Tomáš Frejka -- Part III: Women's Education and Childlessness: Education and Childlessness: The Influence of Educational Field and Educational Level on Childlessness among Swedish and Austrian Women: Gerda Neyer, Jan Hoem & Gunnar Andersson -- Childlessness and Fertility Dynamics of Female Higher Education Graduates in Germany: Hildegard Schaeper, Michael Grotheer & Gesche Brandt -- Part IV: Fertility Ideals, Biographical Decisions and Assisted Reproduction: Fertility Ideals of Women and Men across the Life Course in Germany: Anne-Kristin Kuhnt, Michaela Kreyenfeld & Heike Trappe -- Childless at Age 30: A Qualitative Study of the Life Course Plans of Working Women in East and West Germany: Laura Bernardi & Sylvia Keim-Kläerner -- Assisted Reproductive Technologies in Germany: A Review of the Current Situation: Heike Trappe -- Assisted Reproductive Technology in Europe: Usage and Regulation in the Context of Cross-Border Reproductive Care: Patrick Präg & Melinda C. Mills -- Part V: Consequences of Childlessness: What's a (Childless) Man Without a Woman? The Differential Importance of Couple Dynamics for the Wellbeing of Childless Men and Women in the Netherlands: Renske Keizer & Katya Ivanova -- Fertility and Women's Old-Age Income in Germany: Tatjana Mika & Christin Czaplicki -- Childlessness and Intergenerational Transfers in Later Life across Europe: Marco Albertini & Martin Kohli.

Sommario/riassunto

This book is published open access under a CC BY 4.0 license. This open access book provides an overview of childlessness throughout Europe. It offers a collection of papers written by leading demographers and sociologists that examine contexts, causes, and consequences of childlessness in countries throughout the region. The book features data from all over Europe. It specifically highlights patterns of childlessness in Germany, France, the United Kingdom, Finland, Sweden, Austria and Switzerland. An additional chapter on childlessness in the United States puts the European experience in perspective. The book offers readers such insights as the determinants of lifelong childlessness, whether governments can and should counteract increasing childlessness, how the phenomenon differs across social strata and the role economic uncertainties play. In addition, the book also examines life course dynamics and biographical patterns, assisted reproduction as well as the consequences of childlessness. Childlessness has been increasing rapidly in most European countries in recent decades. This book offers readers expert analysis into this issue from leading experts in the field of family behavior. From causes to consequences, it explores the many facets of childlessness throughout Europe to present a comprehensive portrait of this important demographic and sociological trend. .
