1. Record Nr. UNINA9910734893603321 Autore Friedman Avi <1952-> Titolo Fundamentals of innovative sustainable homes design and construction // by Avi Friedman Pubbl/distr/stampa Cham:,: Springer International Publishing:,: Imprint: Springer,, 2023 3-031-35368-4 **ISBN** Edizione [1st ed. 2023.] Descrizione fisica 1 online resource (406 pages) Collana The Urban Book Series, , 2365-7588 304.2 Disciplina 720.47 Soggetti Sustainability Buildings - Design and construction Urban policy Architecture Urban economics **Building Construction and Design Urban Policy Urban Economics** Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Homes for changing times -- Denser living -- Quality affordable Nota di contenuto dwellings -- Comfortable small interiors -- Attractive and energyefficient facades -- Innovative construction practices -- Utilities systems for sustainability -- Green and healthy materials -- Energyefficient dwellings -- Home automation -- Cooking and dining at home -- Storing stuff and furnishing a home -- Getting old at home --Working from home and in common. Sommario/riassunto This book offers ideas and practices on contemporary design concepts and illustrates them with plans and photographs of outstanding examples. Current planning and design modes of dwellings and neighborhoods are facing challenges of philosophy and form. Past

> approaches no longer sustain new demands and require innovative thinking. The need for a new outlook is propelled by fundamental changes that touch upon environmental, economic and social aspects.

The depletion of non-renewable natural resources and climate change are a few of the environmental challenges. Increasing costs of material, labor, land and infrastructure have posed economic challenges with affordability being paramount among them. Social challenges are also drawing the attention of designers, builders and homeowners. Walkable communities, aging in place and multigenerational living are some of the concepts considered. In addition, live-work environments have become part of the economic reality for those who wish to work from home—which has become possible through digital advances. The text would be of interest to scholars working in: architecture, urban planning, and construction.