DESCRIPTION

A practical sourcebook for building designers, providing comprehensive discussion of the impact of basic architectural choices on cooling efficiency, including the layout and orientation of the structure, window size and shading, exterior color, and even the use of plantings around the site. All major varieties of passive cooling systems are presented, with extensive analysis of performance in different types of buildings and in different climates: ventilation; radiant cooling; evaporative cooling; soil cooling; and cooling of outdoor spaces.

ABOUT THE AUTHOR

Baruch Givoni is Professor Emeritus of Architecture in the Graduate School of Architecture and Urban Planning at UCLA, and was associated for many years with the Technion in Haifa, and with Ben Gurion University of the Negev in Beer Sheba, both in Israel. Mr. Givoni's classic text Man, Climate, and Architecture is considered the most authoritative volume in the field of building climatology. His career also includes teaching assignments at nearly a dozen universities, as well as hundreds of papers and contributions to scholarly works, lectures, and symposia. Mr. Givoni has assisted the World Health Organization, the World Meteorological Organization, the Israel Ministry of Housing, and numerous governments around the world on passive and solar energy design of structures in hot climates.