

Introduction to Architectural Science: The Basis of Sustainable Design

Steven V. Szokolay

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Now in its third edition, this book provides the ideal and only reference to the physical basis of architectural design. Fully updated and expanded throughout, the book provides the data required for architects to design buildings that will maintain the users comfort in a variety of conditions, with minimal reliance on energy intensive methods like air conditioning. This is not a 'how to' book but answers the question why. It equips the reader with the tools to realize the full potential of the good intentions of sustainable, bioclimatic design. All sections have been revised and updated for this third edition including all the most relevant developments affecting heat, light and sound controls. The book responds to the need of understanding beyond 'rules of thumb'.

About the Author Steven V. Szokolay is an architect and energy and environmental consultant who, after some years of practice in Sydney and London, taught at Liverpool, Nairobi, London and Queensland, where he was founding Director of the Architectural Science Unit and Head of the Department of Architecture. He is co-author of the Manual for Tropical Housing and the author of over a dozen books, including Solar Energy and Building, Environmental Science Handbook for Architects and Thermal Design of Buildings.