



JOHN A. MARTIN & ASSOCIATES, INC.
RESEARCH & DEVELOPMENT DEPARTMENT
1212 S. FLOWER ST., LOS ANGELES, CA 90015
<http://www.johnmartin.com/research>

Structural Design and Education Series

*Steel, Concrete, & Composite Design of Tall Buildings, 2nd Edition,
is now available from McGraw Hill Publishers*

Written by Dr. Bungale S. Taranath, a Senior Project Manager at John A. Martin & Associates, Inc. this superbly illustrated 1,000 page book has been just released by the McGraw Hill publishers worldwide.

Thoroughly updated, this handbook provides structural engineers and architects with a uniquely practical perspective on all aspects of steel, concrete, and composite use in the design of tall buildings, including wind effects, seismic design, and various lateral and gravity systems.

The new Second Edition includes dozens of case studies of important buildings throughout the world – many of which Dr. Taranath designed himself – and provides in-depth insight into why and how specific structural system choices were made. *Steel, Concrete, & Composite Design of Tall Buildings* also discusses:

- The latest building codes, including the 1997 UBC, ANSI and ASCE Standards, and SEAOC Vision 2000 Document
- Recent developments in studies of seismic vulnerability, retrofit design of existing buildings, and structural research findings from the earthquakes in Kobe, Japan, and Northridge, California
- Earthquake Hazard Mitigation Technologies such as seismic base isolation, passive energy dissipation, and damping systems
- The effect of wind and seismic forces on design decisions – and the latest approaches for establishing cost-efficient designs
- Lateral bracing concepts and gravity-based systems – and how they are applied to tall buildings
- The structural behavior of building components and assemblies
- Computer modeling techniques for predicting elastic and elasto-plastic response of buildings
- General approaches and trends – including state-of-the-art systems – that can assist engineers who are new to high-rise design and construction

Using realistic example problems throughout, Dr. Taranath demonstrates how to implement virtually all of the latest ideas and methods for creating sound, cost-efficient high-rise structures. Lucid, systematic, and thorough, this essential resource provides professionals at all levels of experience with the tools they need to devise systems that gracefully resist the battering forces of nature while addressing the specific needs of project clients.

