DESCRIPTION

This comprehensive handbook is designed to provide the reader with the knowledge needed to successfully implement an active, hybrid or semi-active control system to a structure, safeguarding it against environmental forces such as wind or earthquakes. Written by leading experts in structural control, this book:

- Emphasises fail-safe techniques and validates their implementation through simulations.
- Examines the implicit issues between theoretical development and actual implementation of systems.
- Identifies important hardware and software safety features.
- Describes a PC-based system simulator, which simulates the real-time response of structure and control hardware.

Active, Hybrid and Semi-active Structural Control is a must have reference for researchers, practitioners and design engineers working in civil, aerospace, automotive and mechanical engineering. It is undoubtedly the key resource for all postgraduate students in this rapidly growing area of research interest and development.

ABOUT THE AUTHOR

Prof. T.T. Soong, Samuel P. Capen Professor of Engineering Science, State University of New York at Buffalo, USA.
Very well known in the field. Has won various awards including the American Society of Civil Engineers (ASCE) Norman Medal (1999), and Newmark Medal (2002).

**Dr. S.Y. Chu**, Department of Civil, Structural and Environmental Engineering, State University of New York at Buffalo, Buffalo, USA, and **Dr. A.M. Reinhorn**, Clifford C. Furnas Professor of Structural Engineering and Co-Director, Structural Engineering and Earthquake Simulation Laboratory (SEESL), State University of New York at Buffalo, USA.

Also well-established in the field and like Soong has received several professional awards, including the ASCE Award for outstanding service (1983, 1984).

To purchase this product, please visit [https://www.wiley.com/en-us/9780470013526](https://www.wiley.com/en-us/9780470013526)