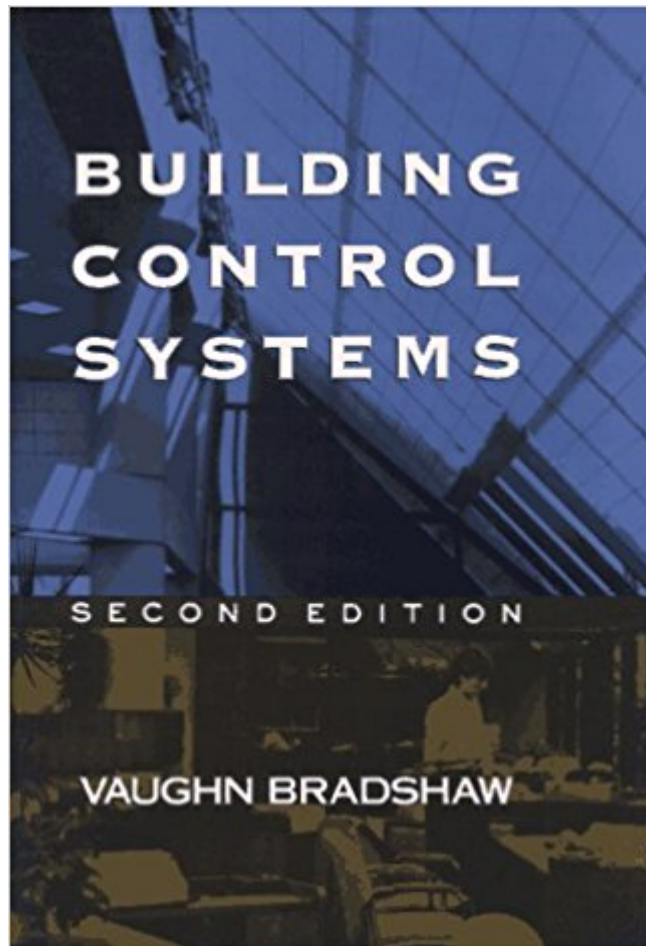




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Building Control Systems



Synopsis

Architects were once charged with designing entire buildings, including the HVAC, lighting and power systems. But with the advent of more complex technologies, engineers and other specialists became responsible for these systems, with architects assuming expanded roles as team managers. The latest edition of *Building Control Systems* provides architecture students with the larger picture without overwhelming them with details. In emphasizing a conceptual understanding of the functions of various systems and how they interact with building components, the book provides the exact information that tomorrow's architects will need to effectively communicate and coordinate with consultants in all of the many building disciplines. This revised Second Edition covers the theoretical bases for thermal control; the systems used to control the thermal environment within buildings; various electrical systems, including power and lighting; such building control topics as plumbing services and fire protection; and economics-based design decision making. *Building Control Systems, Second Edition* provides coverage of: New building designs that minimize our dependence on nonrenewable fuels and use only a "fair share" of renewable fuels with important steps toward cutting costs and preserving precious resources Such pressing environmental concerns as indoor air quality, "sick building syndrome," noise pollution, global warming, and depletion of the ozone layer and the impact on building design New technologies, including new passive thermal control systems designed to minimize energy consumption The latest building codes for architects and specialists on the design team Thoroughly up to date, this book provides architecture students with theoretical information they must have as they assume the dual roles of designer and manager. This guide will also prove to be a useful on-the-job tool for architects, designers, builders, developers, contractors, beginning HVAC designers, and building managers.

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Customer Reviews

"Offers new material on the environment and sustainability along with a broad survey on mechanical/electrical/plumbing systems in buildings. He favors principle concepts over technical detail, providing enough information so the architect may plan for space and access of each system, and have enough knowledge of terminology and function to coordinate effectively with specialists." (Book News, February 2008) --This text refers to the Digital edition.

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to be a useful on-the-job tool for architects, designers, builders, developers, contractors, beginning HVAC designers, and building managers.

Great

Mr Bradshaw does an excellent job in presenting an enormous amount of information in a very clear manner. It is an overview, yet it gives very detailed information. It is aimed at architectural students, which I am not, but I needed information and this has helped me enormously.

Hi, I got this text book for one of my classes.it is very helpful, and explains in details and in a simple way, what we need to know.

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