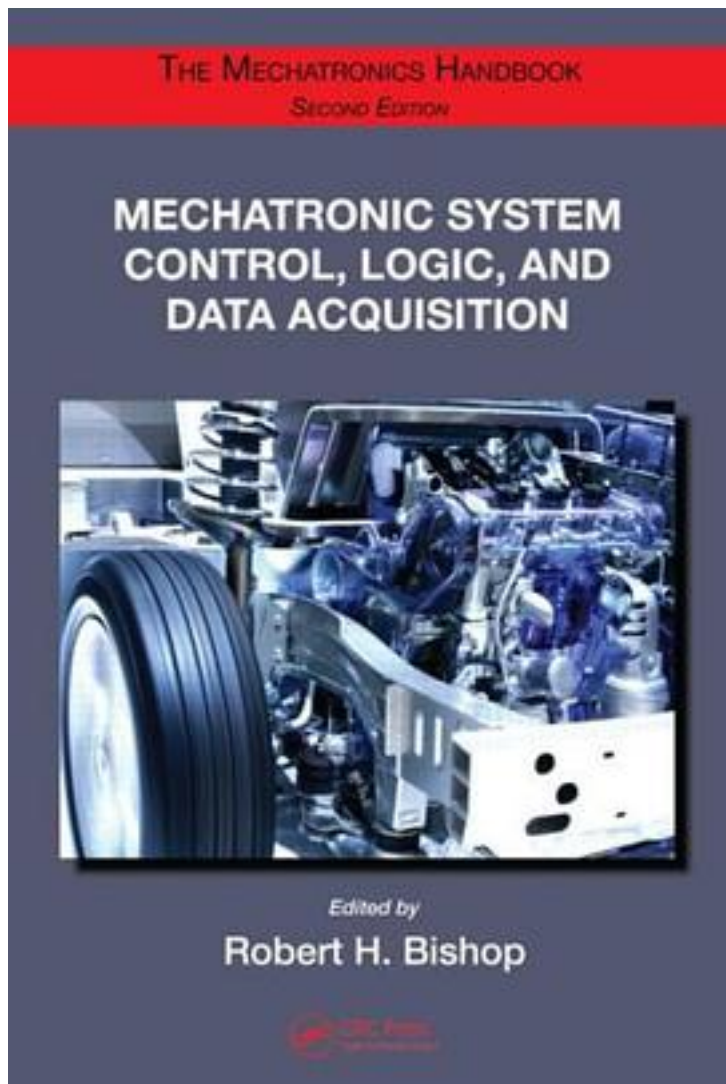# Mechatronic System Control, Logic, and Data Acquisition

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With updated coverage on all aspects of mechatronics, "The Mechatronics Handbook, Second Edition" is now available as a set of four books. Each installment offers focused coverage of a particular area of mechatronics, supplying a convenient and flexible source of specific information. The third of four books, "Mechatronic System Control, Logic, and Data Acquisition" examines the various signals acquired and used in mechatronics and the control systems that depend upon these signals. After introducing the role of control in mechatronics, the book examines such topics as state space analysis, dynamic system response, Kalman filters as dynamic system state observers, neural and fuzzy controllers, and design optimization.

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