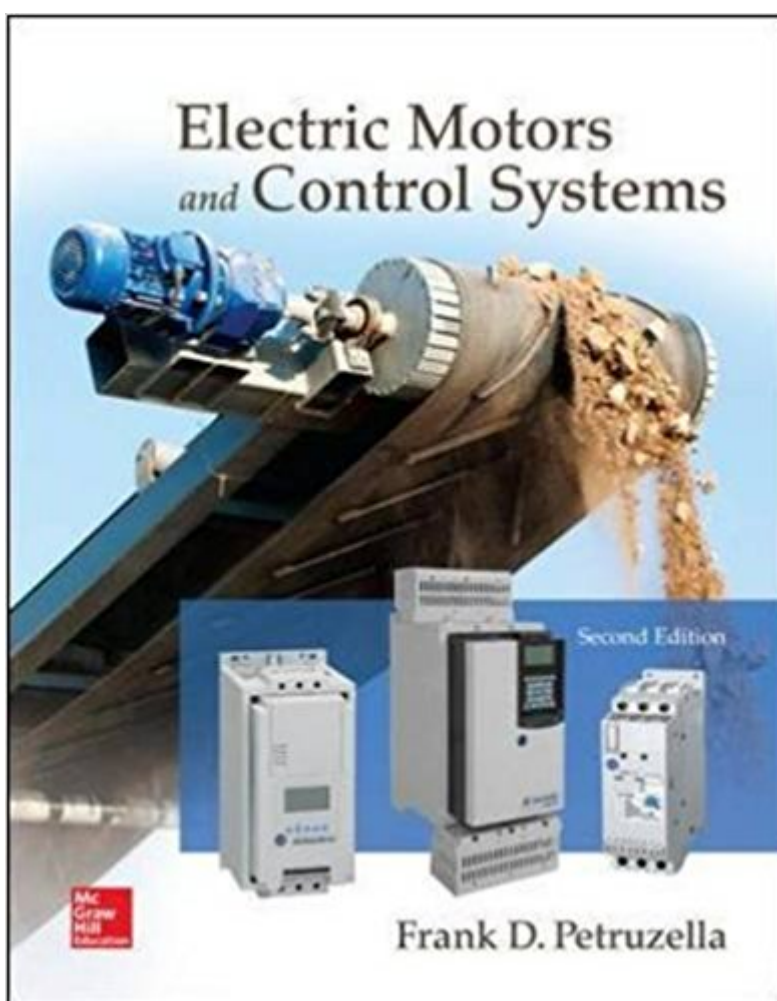


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Electric Motors And Control Systems (Engineering Technologies & The Trades)



Synopsis

Electric Motors and Control Systems has been written for a course of study that will introduce the reader to a broad range of motor types and control systems. It provides an overview of electric motor operation, selection, installation, control and maintenance. Every effort has been made in this edition to present the most up-to-date information which reflects the current needs of the industry. It includes coverage of how motors operate in conjunction with their associated control circuitry. Both older and newer motor technologies are examined. Topics covered range from motor types and controls to installing and maintaining conventional controllers, electronic motor drives and programmable logic controllers. The broad-based approach taken, makes this text viable for a variety of motors and control systems courses. Content is suitable for colleges, technical institutions, vocational/technical schools, as well as apprenticeship and journeymen training. Electrical apprentices and journeymen will find this book to be invaluable due to Electrical Code references applicable to the installation of new control systems and motors, as well as information on maintenance and troubleshooting techniques. Personnel involved in the motor maintenance and repair will find this book to be a useful reference text. McGraw-Hill Education's Connect, is also available as an optional, add on item. Connect is the only integrated learning system that empowers students by continuously adapting to deliver precisely what they need, when they need it, how they need it, so that class time is more effective. Connect allows the professor to assign homework, quizzes, and tests easily and automatically grades and records the scores of the student's work. Problems are randomized to prevent sharing of answers and may also have a "multi-step solution" which helps move the students' learning along if they experience difficulty.

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Customer Reviews

Frank D. Petruzella has extensive practical experience in the electrical control field, as well as many years experience teaching and authoring textbooks. Before becoming a full time educator, he was employed as an apprentice and electrician in areas of electrical installation and maintenance. He holds a Master of Science degree from Niagara University, a Bachelor of Science degree from the State University of New York College - Buffalo, as well as diplomas in Electrical Power and Electronics from the Erie County Technical Institute.

Great text, highly technical, new edition priced for highway robbery, used not much better.

This book is a great reference that covers a lot of material and has great illustrations. I am a ChemE and would highly recommend this book.

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