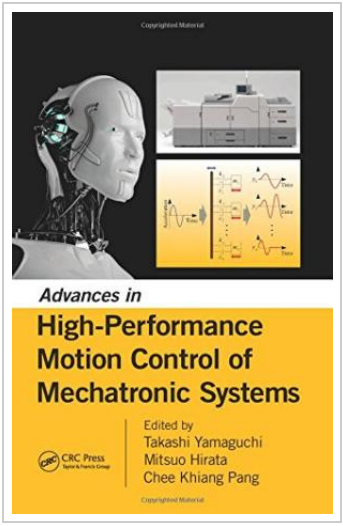

Advances in High Performance Motion Control of Mechatronic Systems (Hardback)

By -

Taylor Francis Inc, United States, 2013. Hardback. Book Condition: New. 234 x 156 mm. Language: English . Brand New Book. Mechatronic systems are used in a range of consumer products from large-scale braking systems in vehicular agents to small-scale integrated sensors in mobile phones. To keep pace in the competitive consumer electronics industry, companies need to continuously improve servo evaluation and position control of these mechatronic systems. Advances in High-Performance Motion Control of Mechatronic Systems covers advanced control topics for mechatronic applications. In particular, the book examines control systems design for ultra-fast and ultra-precise positioning of mechanical actuators in mechatronic systems. The book systematically describes motion control design methods for trajectory design, sampled-data precise positioning, transient control using switching control, and dual-stage actuator control. Each method is described in detail, from theoretical aspects to examples of actual industry applications including hard disk drives, optical disk drives, galvano scanners, personal mobility robots, and more. This helps readers better understand how to translate control theories and algorithms from theory to design and implementation in realistic engineering systems. The book also identifies important research directions and advanced control techniques that may provide solutions for the next generation of high-performance mechatronics. Bridging research and...

Reviews

Thorough manual! Its this kind of excellent study. It really is writter in straightforward terms and never difficult to understand. I am very happy to inform you that this is basically the very best pdf we have read through during my individual existence and could be he greatest ebook for possibly.

-- ***Dr. Arno Sauer Sr.***

It in a single of my personal favorite ebook. It can be loaded with wisdom and knowledge You can expect to like just how the blogger create this pdf.

-- ***Dr. Travis Berge***