



# Mechatronics: Electronic Control Systems in Mechanical and Electrical Engineering (6th Edition)

By *W. Bolton*



## Mechatronics: Electronic Control Systems in Mechanical and Electrical Engineering (6th Edition) By W. Bolton

The integration of electronic engineering, mechanical engineering, control and computer engineering – Mechatronics – lies at the heart of the innumerable gadgets, processes and technology without which modern life would seem impossible. From auto-focus cameras to car engine management systems, and from state-of-the-art robots to the humble washing machine, Mechatronics has a hand in them all.

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### Editorial Review

From the Back Cover

The integration of electronic engineering, mechanical engineering, control and computer engineering – Mechatronics – lies at the heart of the innumerable gadgets, processes and technology that makes modern life would seem impossible. From auto-focus cameras to car engine management systems, and from state-of-the-art robots to the humble washing machine, Mechatronics has a hand in them all.

This book presents a clear and comprehensive introduction to the area. Practical and applied, it helps you to acquire the mix of skills you will need to comprehend and design mechatronic systems. It also goes much deeper, explaining the very philosophy of mechatronics, and, in so doing, provides you with a frame of understanding to develop a truly interdisciplinary and integrated approach to engineering.

New to this edition:

- Inclusion of material on the Arduino open-source electronic prototyping platform and the Arduino programming language
- Even more mechatronic systems topics
- New section on robotic systems
- Updated resources for instructors available at [www.pearsoned.co.uk/Bolton](http://www.pearsoned.co.uk/Bolton)

*Mechatronics* is essential reading for students requiring an introduction to this exciting area at undergraduate and higher diploma level.

Bill Bolton was formerly Consultant to the Further Education Unit and Head of Research and Development and Monitoring at the Business and Technology Education Council (BTEC). He has also been a UNESCO consultant and is the author of many successful engineering textbooks.

About the Author

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