**DESCRIPTION**

*Computational Intelligence: Synergies of Fuzzy Logic, Neural Networks and Evolutionary Computing* presents an introduction to some of the cutting edge technological paradigms under the umbrella of computational intelligence. Computational intelligence schemes are investigated with the development of a suitable framework for fuzzy logic, neural networks and evolutionary computing, neuro-fuzzy systems, evolutionary-fuzzy systems and evolutionary neural systems. Applications to linear and non-linear systems are discussed with examples.

Key features:

- Covers all the aspects of fuzzy, neural and evolutionary approaches with worked out examples, MATLAB® exercises and applications in each chapter
- Presents the synergies of technologies of computational intelligence such as evolutionary fuzzy neural fuzzy and evolutionary neural systems
- Considers real world problems in the domain of systems modelling, control and optimization
- Contains a foreword written by Lotfi Zadeh
*Computational Intelligence: Synergies of Fuzzy Logic, Neural Networks and Evolutionary Computing* is an ideal text for final year undergraduate, postgraduate and research students in electrical, control, computer, industrial and manufacturing engineering.

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**ABOUT THE AUTHOR**

**Nazmul Siddique** is a lecturer in the School of Computing and Intelligent Systems at the University of Ulster. He has published over 120 scientific research papers in journals and conferences including seven book chapters and two books. He is a senior member of the IEEE and has been involved in organising many international conferences. He is on the editorial board of the *International Journal of Neural Systems*, *International Journal of Automation and Control Engineering*, *Journal of Behavioural Robotics*, and *Engineering Letters*.

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