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This renowned textbook on Artificial Intelligence has been adopted by over 1500 schools globally. The comprehensive book is divided into seven parts, covering various aspects of AI. The first part introduces the basics of AI and intelligent agents. It then delves into problem-solving techniques, including searching and constraint satisfaction problems. Part III focuses on knowledge representation and reasoning, discussing logical agents, first-order logic, and inference in first-order logic. Automated planning is also explored in this section. Uncertain knowledge and reasoning are examined in Part IV, covering quantifying uncertainty, probabilistic reasoning, and decision-making processes. This includes making simple and complex decisions as well as multiagent decision making. Part V discusses machine learning techniques, such as learning from examples, knowledge representation in learning, and deep learning methods. Reinforcement learning is also covered in this section. The final part of the book explores how AI systems communicate, perceive, and act. This includes natural language processing, deep learning for NLP, computer vision, and robotics. Stuart Russell was born in 1962 in Portsmouth, England. He received his B.A. with first-class honours in physics from Oxford University in 1982, and his Ph.D. in computer science from Stanford in 1986. Then he joined the faculty of the University of California, Berkeley, where he is a Professor and former Chair of Computer Science, Director of the Centre for Human-Compatible AI, and holder of the Smith-Zadeh Chair in Engineering. He received the Presidential Young Investigator Award of the National Science Foundation in 1990, and in 1995 was co-winner of the Computers and Thought Award. He is a Fellow of the American Association for Artificial Intelligence, the Association for Computing Machinery, and the American Association for the Advancement of Science, and Honorary Fellow of Wadham College, Oxford, and an Andrew Carnegie Fellow. He held the Chaire Blaise Pascal in Paris from 2012 to 2014. He has published over 300 papers on a wide range of topics in artificial intelligence. His other books include: The Use of Knowledge in Analogy and Induction, Do the Right Thing: Studies in Limited Rationality (with Eric Wefald), and Human Compatible: Artificial Intelligence and the Problem of Control. Received joint honours for the AAAI/EAAI Outstanding Educator award back in 2016.