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Autore	Small Michael
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Nota di contenuto	Front Cover; Contents; Preface; Chapter 1. Biological Systems and Dynamics; Chapter 2. Population Dynamics of a Single Species; Chapter 3. Observability of Dynamic Variables; Chapter 4. Biomedical Signal Processing; Chapter 5. Computational Neurophysiology; Chapter 6. Mathematical Neurodynamics; Chapter 7. Population Dynamics; Chapter 8. Action, Reaction and Diffusion; Chapter 9. Autonomous Agents; Chapter 10. Complex Networks; Chapter 11. Conclusion; Bibliography; Index; Back Cover
Sommario/riassunto	From the spontaneous rapid firing of cortical neurons to the spatial diffusion of disease epidemics, biological systems exhibit rich dynamic behaviour over a vast range of time and space scales. Unifying many of these diverse phenomena, Dynamics of Biological Systems provides the computational and mathematical platform from which to understand the underlying processes of the phenomena.