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| Soggetti | Computational intelligence<br>Artificial intelligence<br>Control engineering<br>Robotics<br>Automation<br>Computational Intelligence<br>Artificial Intelligence<br>Control, Robotics, Automation |
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| Nota di contenuto | Data-driven Approach in Machine Learning -- Environments Monitoring and Understanding -- Process-based Perception to the Environments -- Intelligent Manufacturing for the Implementation -- Reconciled Interpretation of Vison, Touch & Minds -- Expanded Insights into the Evolution of Machine Brain. |
| Sommario/riassunto | This book seeks to interpret connections between the machine brain, mind and vision in an alternative way and promote future research into the Interdisciplinary Evolution of Machine Brain (IEMB). It gathers novel research on IEMB, and offers readers a step-by-step introduction to the theory and algorithms involved, including data-driven approaches in machine learning, monitoring and understanding visual environments, using process-based perception to expand insights, mechanical manufacturing for remote sensing, reconciled connections between the machine brain, mind and vision, and the interdisciplinary evolution of machine intelligence. This book is intended for researchers, graduate |

students and engineers in the fields of robotics, Artificial Intelligence and brain science, as well as anyone who wishes to learn the core theory, principles, methods, algorithms, and applications of IEMB.