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Titolo	Advances in Physical Agents : Proceedings of the 19th International Workshop of Physical Agents (WAF 2018), November 22-23, 2018, Madrid, Spain / / edited by Raquel Fuentetaja Pizán, Ángel García Olaya, Maria Paz Sesmero Lorente, Jose Antonio Iglesias Martínez, Agapito Ledezma Espino
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Collana	Advances in Intelligent Systems and Computing, , 2194-5365 ; ; 855
Disciplina	615.82
Soggetti	Computational intelligence Control engineering Robotics Automation Computer vision Artificial intelligence Computational Intelligence Control, Robotics, Automation Computer Vision Artificial Intelligence
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Nota di contenuto	Semantic localization of a robot in a real home -- Kalman Filter -- Self-Driving a Car in simulation through a CNN -- Study of obstacle avoidance strategies for ecient autonomous.-Adaptation of the Diculty Level in an Infant-Robot Movement Contingency Study -- Change Detection Tool based on GSV to help DNNs training -- Opponent Modeling in RoboCup Soccer Simulation. First Steps Towards a General Algorithm to Estimate the Mechanical State of a Vehicle.
Sommario/riassunto	The book reports on cutting-edge theories and methods aimed at the control and coordination of agents acting and moving in a dynamic environment. It covers a wide range of systems, including multiagent

systems, domotic agents, robotic manipulators, soccer robots, autonomous and semiautonomous robots, as well as systems for industrial applications. Advances in software agents, sensors, computer visions and other related areas are also thoroughly discussed and presented in detail. Based on the 19th edition of the International Workshop of Physical Agents (WAF 2018), held on November 22-23, 2018, in Madrid, Spain, this book offers a snapshot of the state-of-the-art in the field of physical agents, with a special emphasis on autonomous systems such as mobile robots, industrial process or other complex systems. .