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Titolo	From bricks to brains : the embodied cognitive science of LEGO robots // Michael R. W. Dawson, Brian Dupuis, Michael Wilson
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Descrizione fisica	1 online resource (354 p.)
Disciplina	629.8/92
Soggetti	Robots - Programming Robots - Dynamics Cognitive science Robots - Design and construction Artificial intelligence LEGO toys
Lingua di pubblicazione	Inglese
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Mind control - internal or external? -- Classical music and the classical mind -- Situated cognition and bricolage -- Braitenberg's vehicle 2 -- Thoughtless walkers -- Machina speculatrix -- The subsumption architecture -- Embodiment, stigmergy, and swarm intelligence -- Totems, toys -- or tools?
Sommario/riassunto	From Bricks to Brains introduces embodied cognitive science, and illustrates its foundational ideas through the construction and observation of LEGO Mindstorms robots. Discussing the characteristics that distinguish embodied cognitive science from classical cognitive science, From Bricks to Brains places a renewed emphasis on sensing and acting, the importance of embodiment, the exploration of distributed notions of control, and the development of theories by synthesizing simple systems and exploring their behaviour. Numerous

examples are used to illustrate a key theme: the importance of an age

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