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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Part I: Theoretical Background -- The fundamentals of environmental neuroscience -- The Rise and Future of Environmental Neuroscience in Environmental Psychology -- Part II: The adaptation pathway (Environment-to-brain): How the environment impacts humans -- Interplay between the physical environment and the human brain - Insights from MRI research -- Human Brain and Behavior in Geospatial Context: Why and How -- Advancing the Neural Exposome -- Part III: The mitigation pathway (Brain-to-environment): How humans act on the environment -- Leveraging the social neuroscience of prosocial behavior to advance our understanding of pro-environmental behavior -- Neuroscientific approaches to understand barriers and promotors of pro-environmental behaviour -- Part IV: Neuroscience of the built environment/architecture -- Aesthetics of Architecture: Emerging Insights from the Brain -- The built environment and the brain: Emerging methods to investigate the impact of viewing architectural design -- Application of biometrics in architectural and environmental design -- The Potential of Biophilic Design and Nature to Improve

Health, Creativity, and Wellbeing -- Part V: Focus on special populations -- Environmental exposures and child neurodevelopment -- Neighbourhood urban environments and cognitive health in ageing populations -- The City & the Psych – A chronology -- Environmental Neurorehabilitation: Harnessing the power of the environment in rehabilitation following neurological conditions -- Experiential Equity: Reconstructing Cities Through Intersecting Theories -- Part VI: Specific methodological approaches -- Extended Reality in Environmental Neuroscience Research -- Neuroscience and Geographic Information Systems to investigate the impact of global warming on mood disorders and brain plasticity in urban areas -- In the right place at the right time: Leveraging geographic ecological momentary assessment to analyse contexts and health -- Mapping the human brain with computational anatomy -- EEG for the study of environmental neuroscience -- Part VII: Sociological, historical and equity perspective -- What's wrong with environmental neuroscience? - Sociological and historical perspectives.

Sommario/riassunto

This important new book presents an introduction to Environmental Neuroscience, an emerging field devoted to the study of brain-mediated bidirectional relationships between organisms and their physical environments. Environmental Neuroscience offers a novel perspective in the human neurosciences, which have typically focused on the individual isolated from its natural habitat. The book presents the theoretical background of the field, discusses how the environment impacts humans and how humans impact the environment, explores the neuroscience of the built environment, and addresses special populations and presents different methodological approaches. Environmental Neuroscience bringing together the top authorities in the field, will appeal to neuroscientists and to a range of scholars from public health, urban studies, human geography, and architecture who are searching for guidance on what characterizes a health-promoting environment.