

1. Record Nr.	UNINA9910826374303321
Titolo	Spatial cognition : foundations and applications : selected papers from Mind III, Annual Conference of the Cognitive Science Society of Ireland, 1998 / / edited by Sean O Nuallain
Pubbl/distr/stampa	Amsterdam ; ; Philadelphia, : John Benjamins Pub., c2000
ISBN	1-282-25507-X 9786612255076 0-585-46185-6 90-272-9988-9
Edizione	[1st ed.]
Descrizione fisica	xvi, 364 p. : ill
Collana	Advances in consciousness research ; ; v. 26
Altri autori (Persone)	O NuallainSean
Disciplina	153.7/52
Soggetti	Spatial behavior Space perception Personal space
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	SPATIAL COGNITION -- Editorial page -- Title page -- LCC data -- Table of Contents -- Acknowledgement -- Introduction Spatial Cognition - Foundationsand applications -- PART I: Epistemological Issues -- Men and Women, Maps and Minds: Cognitive bases of sex-related differences in reading and interpreting maps -- A Theoretical Framework for the Study of Spatial Cognition -- Describers and Explorers: A method for investigating cognitive maps -- The Functional Separability of Self-Reference and Object-to-Object Systems in Spatial Memory -- In Search for an Overall Organizing Principle in Spatial Mental Models: A question of inference -- Describing the Topology of Spherical Regions using the 'RCC' Formalism -- Cognitive Mapping in Rats and Humans: The tent-maze,a place learning task in visually disconnected environments -- Spatial Cognition Without Spatial Concepts -- Space Under Stress: Spatial understanding and new media technologies -- PART II: Software Applications: Multimedia, GIS, diagrammatic reasoning and beyond -- CHAMELEON Meets Spatial Cognition -- SONAS: Multimodal, Multi-User Interaction with a

Modelled Environment -- Designing Real-Time Software Advisors for 3D Spatial Operations -- Using Spatial Semantics to Discover and Verify Diagrammatic Demonstrations of Geometric Propositions -- Formal Specifications of Image Schemata for Interoperability in Geographic Information Systems -- Using a Spatial Display to Represent the Temporal Structure of Multimedia Documents -- PART III: Language and Space -- A Computational Multi-layered Model for the Interpretation of Locative Expressions -- The Composition of Conceptual Structure for Spatial Motion Imperatives -- Modelling Spatial Inferences in Text Understanding -- Linguistic and Graphical Representations and the Characterisation of Individual Differences. PART IV: Memory, Consciousness and Space -- Given-New Versus New-Given?: An analysis of reading times for spatial descriptions -- A Connectionist Model of the Processes Involved in Generating and Exploring Visual Mental Images -- Working Memory and Mental Synthesis: A dual-task approach -- Subject Index -- the series ADVANCES IN CONSCIOUSNESS RESEARCH.

Sommario/riassunto

A dual-task approach.