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Nota di contenuto	No Matter, Never Mind -- Editorial page -- Title page -- LCC data -- Table of contents -- Sponsors and Supporters of Tokyo '99 -- Preface -- Tokyo '99 Declaration -- Brain and quantum holography -- The mind-body and the light-matter -- Dissipative quantum brain dynamics -- What do neural nets and quantum theory tell us about mind and reality? -- Mathematics and the mind -- Upwards and downwards causation in the brain -- The importance of experience -- Cascade hypothesis of brain functions and consciousness -- Neural correlates of visual working memory for motion -- Ontological implications of quantum brain dynamics -- On focus and fringe in explicit mental processing -- Will -- Binding and dysbinding -- Intrinsic contextuality as the crux of consciousness -- Perspective changes affect attentional access to conscious experience -- Constructing pain -- Neuronoid as the coincidence detector -- Accumulation of rapid and small synaptic increase as a basis for implicit memory -- What is the self of a robot? -- Apparent "free will

"caused by representation of module control -- S2 axiomatic system --
Reactivity of human cortical oscillations reflecting conscious perception
in binocular rivalry -- Experimentally induced verbal slips in Japanese
-- A basic neural mechanism for acoustic imaging -- A role of
attention in formation of brain map for accomplishing spatial tasks --
Consciousness and the intercortical correlation function of
electroencephalograms -- The unconscious information processing
appeared on the visual ERPs during pattern matching task of masked
target -- A computational model of personality -- A hypothesis
concerning a relationship between pleasantness and unpleasantness --
Automaticity of visual attention -- Working memory and the peak alpha
frequency shift on magnetoencephalography (MEG) -- Modularity and
hierarchy.
Category theory and consciousness -- Psychological information
processing in a complex Hilbert space -- Name index -- Subject index
-- Advances In Consciousness Research.

Sommario/riassunto

This international selection of 34 papers from the Tokyo '99 conference held at the United Nations University gives a valuable state of the art overview of consciousness research. Not only the recognized European and American approaches but also the distinguishing approaches from many Japanese researchers are presented. It will provide a world-wide audience with a comprehensive outlook for the remarkable potential contribution in the future scene of consciousness research. The Tokyo '99 declaration to promote scientists' ethical warning against the thoughtless aiming of consciousness research at warfare is also included. (Series B).
