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Autore	Lubashevskii I. A (Igor Alekseevich)
Titolo	Physics of the Human Temporality : Complex Present / / by Ihor Lubashevsky, Natalie Plavinska
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ISBN	3-030-82612-0
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (662 pages)
Collana	Understanding Complex Systems, , 1860-0840
Disciplina	530.01
Soggetti	System theory Social sciences - Data processing Psychology Complex Systems Computer Application in Social and Behavioral Sciences Behavioral Sciences and Psychology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Part I Problem of Time. Various Aspects -- Time From a Bird's Eye View -- Temporal Structure of Now From a Close-Up View -- Human Temporality: Qualitative Description Interaction of Human Temporality and External World.. Part II Temporality-Time Formalism -- Physics of Experiential Now: Effort of Atomic Action -- Physics of Complex Present: Properties of Action Strategy Cloud -- Beyond Complex Present: Blurring World -- Post Scriptum.-Appendices. .
Sommario/riassunto	This book presents a novel account of the human temporal dimension called the "human temporality" and develops a special mathematical formalism for describing such an object as the human mind. One of the characteristic features of the human mind is its temporal extent. For objects of physical reality, only the present exists, which may be conceived as a point-like moment in time. In the human temporality, the past retained in the memory, the imaginary future, and the present coexist and are closely intertwined and impact one another. This book focuses on one of the fragments of the human temporality called the complex present. A detailed analysis of the classical and modern

concepts has enabled the authors to put forward the idea of the multi-component structure of the present. For the concept of the complex present, the authors proposed a novel account that involves a qualitative description and a special mathematical formalism. This formalism takes into account human goal-oriented behavior and uncertainty in human perception. The present book can be interesting for theoreticians, physicists dealing with modeling systems where the human factor plays a crucial role, philosophers who are interested in applying philosophical concepts to constructing mathematical models, and psychologists whose research is related to modeling mental processes.
