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Nota di contenuto	Part I Opening Lectures -- Chapter 1 Interfaces of Incompleteness -- Chapter 2 First Steps Toward a Systemic Ontology -- Part II Models of Incompleteness and Quasiness -- Chapter 3 All the Shades of Incompleteness: the Interesting Case of Structure/Function Relations in Biochemistry -- Chapter 4 Sentences and Systems -- Chapter 5 Does Systemics still need Theories? Theory-less Knowledge -- Part III The Concept of Incompleteness and Quasiness in Science and Philosophy -- Chapter 6 On the Complexity of Baroque Music and Implications on Robotics and Creativity -- Chapter 7 Music: Creativity and New Technologies. A Systemic Approach towards Multimedia Project and Sound Design -- Chapter 8 Architecture and Systemics – Performance Revisited -- Chapter 9 Systemic Ontology and Heidegger’s Ontology: a Discussion on Systems and “Logos” -- Chapter 10 The Idea of

Incompleteness in the Internal Realism of Hilary Putnam -- Part IV  
Incompleteness and Quasiness in Post-Bertalanffy Systemics  
Complexity -- Chapter 11 Are Dynamically Undecidable Systems  
Ubiquitous -- Chapter 12 A View of Criticality in the Ising Model  
through the Relevance Index -- Chapter 13 An Example of Quasi-  
System in the Generation and Transmission of Electrical Power -- Part V  
Incompleteness and Quasiness in Social Systems -- Chapter 14 The  
Psychopathological Process as a System of Dysfunction and Systemic  
Compensation with Top-down Modulation -- Chapter 15 A Note on  
Variety and Hierarchy of Economic and Social Systems. The System-  
Network Dualism and the Consequences of Routinization and  
Robotization -- Chapter 16 Information, Communication Technologies  
and Regulations -- Chapter 17 Connections and Dissimilarities among  
Formal Concept Analysis, Knowledge Space Theory and Cognitive  
Diagnostic Models in a Systemic Perspective -- Chapter 18 Theatrical  
Organicism: Thoughts on Drama and System Theory -- Chapter 19 A  
Need for “Systemics” -- Chapter 20 A Systemic Approach to Religious  
Communication: Case Study of “La Luz del Mundo” Church -- Chapter  
21 Values for Some. How Does Criminal Network Undermine the  
Political System? A Data Mining Perspective -- Part VI Emergence,  
Quasiness and Incompleteness: Maintaining, Crises and Degeneration  
in Emergence Phenomena -- Chapter 22 Embracing the Unknown in  
Post-Bertalanffy Systemics Complexity Modeling -- Chapter 23 The  
Problem of Functional Boundaries in Prebiotic and Inter-biological  
Systems -- Chapter 24 AI-Chatbot Using Deep Learning to Assist the  
Elderly -- Chapter 25 The Use of Brain Computer Interface (BCI)  
Combined with Serious Games for Pathological Dependence Treatment  
-- Chapter 26 The Management Complexity of an Hospital Psychiatric  
Ward: A “Small World” Approach -- Chapter 27 Natural Rates of  
Teachers’ Approval and Disapproval in Italian Primary and Secondary  
Schools Classroom -- Chapter 28 On Some Open Issues in Systemics.

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## Sommario/riassunto

This book contains the proceedings of the Seventh National Conference of the Italian Systems Society. The title, Systemics of Incompleteness and Quasi-Systems, aims to underline the need for Systemics and Systems Science to deal with the concepts of incompleteness and quasiness. Classical models of Systemics are intended to represent comprehensive aspects of phenomena and processes. They consider the phenomena in their temporal and spatial completeness. In these cases, possible incompleteness in the modelling is assumed to have a provisional or practical nature, which is still under study, and because there is no theoretical reason why the modelling cannot be complete. In principle, this is a matter of non-complex phenomena, to be considered using the concepts of the First Systemics. When dealing with emergence, there are phenomena which must be modelled by systems having multiple models, depending on the aspects being taken into consideration. Here, incompleteness in the modelling is intrinsic, theoretically relating changes in properties, structures, and status of system. Rather than consider the same system parametrically changing over time, we consider sequences of systems coherently. We consider contexts and processes for which modelling is incomplete, being related to only some properties, as well as those for which such modelling is theoretically incomplete—as in the case of processes of emergence and for approaches considered by the Second Systemics. In this regard, we consider here the generic concept of quasi explicating such incompleteness. The concept of quasi is used in various disciplines including quasi-crystals, quasi-particles, quasi-electric fields, and quasi-periodicity. In general, the concept of quasiness for systems concerns their continuous structural changes which are always

meta-stable, waiting for events to collapse over other configurations and possible forms of stability; whose equivalence depends on the type of phenomenon under study. Interest in the concept of quasiness is not related to its meaning of rough approximation, but because it indicates an incompleteness which is structurally sufficient to accommodate processes of emergence and sustain coherence or generate new, equivalent or non-equivalent, levels. The conference was devoted to identifying, discussing and understanding possible interrelationships of theoretical disciplinary improvements, recognised as having prospective fundamental roles for a new Quasi-Systemics. The latter should be able to deal with problems related to complexity in more general and realistic ways, when a system is not always a system and not always the same system. In this context, the inter-disciplinarity should consist, for instance, of a constructionist, incomplete, non-ideological, multiple, contradiction-tolerant, Systemics, always in progress, and in its turn, emergent.

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