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Titolo	Philosophical Logic: Current Trends in Asia : Proceedings of AWPL-TPLC 2016 // edited by Syraya Chin-Mu Yang, Kok Yong Lee, Hiroakira Ono
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Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (XVI, 296 p. 7 illus.)
Collana	Logic in Asia: Studia Logica Library, , 2364-4621
Disciplina	100
Soggetti	Logic Mathematical logic Machine theory Mathematical Logic and Foundations Formal Languages and Automata Theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Representing and Completing Lattices by Propositions of Cover Systems -- A Uniform Algebraic Approach to Cut Elimination via Semi-completeness -- Ancient Indian Logic, Paksa and Analogy -- Provability and Decidability of Arithmetical Sentences -- On the Minimization Principle in the Boolean Approach to Causal Discovery -- Contentual and Formal Aspects of Gentzen's Consistency Proofs -- Saving Supervaluationism from the Challenge of Higher-Order Vagueness Argument -- Cut free Labelled Sequent Calculus for Dynamic Logic of Relation Changers -- On Second Order Propositional Intuitionistic Logics -- Classical Model Existence Theorem in Subclassical Predicate Logics. II -- On Incorporating Reasoning Time into Epistemic Logic -- Proof-theoretic Embedding from Visser's Basic Propositional Logic to Modal Logic K4 via Non-Labelled Sequent Calculi -- Varieties of Parthood -- Infinite "Atomic" Mereological Structures.
Sommario/riassunto	This volume brings together a group of logic-minded philosophers and philosophically oriented logicians, mainly from Asia, to address a variety of logical and philosophical topics of current interest, offering a representative cross-section of the philosophical logic landscape in early 21st-century Asia. It surveys a variety of fields, including modal

logic, epistemic logic, formal semantics, decidability and mereology. The book proposes new approaches and constructs more powerful frameworks, such as cover theory, an algebraic approach to cut-elimination, and a Boolean approach to causal discovery, to name but a few. Readers may find a wide range of applications of these original works in current research of philosophical logic, especially in the structural and conceptual analysis of some significant semantic properties and formal systems. The variety of topics and issues discussed here will appeal to readers from a broad spectrum of disciplines, ranging from mathematical/philosophical logic, computing science, cognitive science and artificial intelligence, to linguistics, game theory and beyond.
