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Shier Ju · Alessandra Palmigiano · Minghui Ma  
Editors

# Nonclassical Logics and Their Applications

Post-proceedings of the 8th International  
Workshop on Logic and Cognition

 Springer

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ISSN 2364-4613

ISSN 2364-4621 (electronic)

Logic in Asia: Studia Logica Library

ISBN 978-981-15-1341-1

ISBN 978-981-15-1342-8 (eBook)

<https://doi.org/10.1007/978-981-15-1342-8>

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The registered company address is: 152 Beach Road, #21-01/04 Gateway East, Singapore 189721, Singapore

# Preface

The 8th instalment of the International Conference on Logic and Cognition (WOLC 2016) took place on 5–9 December 2016 at the Institute of Logic and Cognition of Sun Yat-Sen University in Guangzhou. This instalment focused on non-classical logics and their applications. The conference provided a very interactive environment in which experts from disciplines ranging from formal linguistics and theoretical computer science to analytic philosophy, game theory, social choice, and management science could not only discuss how to advance formal theories so as to meet the main challenges in their own disciplines, but could also find a common ground based on the tools, insights and techniques developed in the study of non-classical logics.

The discussions and research directions with which the conference participants engaged reverberate in their research and the research of colleagues in their network. This volume collects a—necessarily non-exhaustive—sample of ways in which advancements in (the mathematical theory of) non-classical logics are obtained in response to challenges arising in other scientific fields.

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# Contents

<b>Hyperstates of Involutive MTL-Algebras that Satisfy <math>(2x)^2 = 2(x^2)</math> . . . .</b>	<b>1</b>
Tommaso Flaminio and Sara Ugolini	
<b>The Category of Node-and-Choice Forms, with Subcategories for Choice-Sequence Forms and Choice-Set Forms . . . . .</b>	<b>15</b>
Peter A. Streufert	
<b>About the Temporal Logic of the Lexicographic Products of Unbounded Dense Linear Orders: A New Study of Its Computability . . . . .</b>	<b>67</b>
Philippe Balbiani	
<b>Contact Logic is Finitary for Unification with Constants . . . . .</b>	<b>85</b>
Philippe Balbiani and Çiğdem Gencer	
<b>A Multi-agent Default Theory of Permission . . . . .</b>	<b>105</b>
Huimin Dong	
<b>Algebraic Semantics for Hybrid Logics . . . . .</b>	<b>123</b>
Willem Conradie and Claudette Robinson	