

CONTENTS

Preface	vii
Johanna N. Y. Franklin and Christopher P. Porter	
Key developments in algorithmic randomness	1
Henry Towsner	
Algorithmic randomness in ergodic theory	40
Jason Rute	
Algorithmic randomness and constructive/computable measure theory	58
Mathieu Hoyrup	
Algorithmic randomness and layerwise computability	115
Johanna N. Y. Franklin	
Relativization in randomness	134
George Barmpalias	
Aspects of Chaitin's Omega	175
Christopher P. Porter	
Biased algorithmic randomness	206
Benoit Monin	
Higher randomness	232
Donald M. Stull	
Resource bounded randomness and its applications	301
Index	349