CONTENTS

Preface ................................................................. v

Program ................................................................. vi

Financial Markets with Asymmetric Information: Information Drift, Additional Utility and Entropy ................................................................. S. Ankirchner and P. Imkeller 1

A Localization of the Lévy Operators Arising in Mathematical Finances ......................................................... M. Arisawa 23

Model-free Representation of Pricing Rules as Conditional Expectations ......................................................... S. Biagini and R. Cont 53

A Class of Financial Products and Models Where Super-replication Prices are Explicit ........ L. Carassus, E. Gobet, and E. Temam 67

Risky Debt and Optimal Coupon Policy and Other Optimal Strategies ......................................................... D. Dorobantu and M. Pontier 85

Affine Credit Risk Models under Incomplete Information .......... R. Frey, C. Prosdocimi, and W. J. Runggaldier 97

Smooth Rough Paths and the Applications ........................................ K. Hara and T. Lyons 115

From Access to Bypass: A Real Options Approach ........................................ K. Hori and K. Mizuno 127

The Investment Game under Uncertainty: An Analysis of Equilibrium Values in the Presence of First or Second Mover Advantage. ........................................ J. Imai and T. Watanabe 151

Asian Strike Options of American Type and Game Type ........................................ M. Ishihara and H. Kunita 173

Minimal Variance Martingale Measures for Geometric Lévy Processes .......... M. Jeanblanc, S. Kloeppe1, and Y. Miyahara 193
Cubature on Wiener Space Continued .... C. Litterer and T. Lyons 197

A Remark on Impulse Control Problems with Risk-sensitive Criteria ........................................ H. Nagai 219


Stochastic Growth Models of an Isolated Economy ... K. Nishioka 259

Numerical Approximation by Quantization for Optimization Problems in Finance under Partial Observations .... H. Pham 275