



EDITOR:

T. MIKOSCH

ASSOCIATE EDITORS:

K. ALEXANDER
E.D. ANDJEL
P. BARRIEU
I. BERKES
T. BODINEAU
P. BRÉMAUD
R. BUCKDAHN
P. DOUKHAN
S. FOSS
M. JEANBLANC
D. KHOSHNEVISAN
A. KOHATSU-HIGA
M. LIFSHITS
E. MOULINES
L. MYTNIK
D. NUALART
Z. PALMOWSKI
V.I. PITERBARG
A.F. RAMÍREZ
S. RESNICK
M. REISS
E. SAADA
M. SANZ-SOLÉ
P. SOULIER
J. SEGERS
M. SØRENSEN
D. TALAY
R. TRIBE
M.E. VARES

PAST EDITORS:

J. KEILSON
AND N.U. PRABHU
(1973–1979)
N.U. PRABHU
(1980–1984)
†C.C. HEYDE
(1984–1989)
P. JAGERS
(1989–1993)
R.J. ADLER
(1993–1996)
J. JACOD
(1996–2000)
O. ZEITOUNI
(2000–2002)
P. PROTTER
(2002–2006)
M.E. VARES
(2006–2009)

stochastic processes and their applications

an official journal of the Bernoulli Society
for Mathematical Statistics and Probability



Special Issue

A tribute to Kiyosi Itô

Guest Editors: Marc Yor, Maria E. Vares



Cited in: Cambridge Scientific Abstracts; Current Index to Statistics; International Abstracts in Operations Research; Mathematical Reviews; OR/MS; QCAS; Science Citation Index; Statistical Theory and Method Abstracts; Zentralblatt für Mathematik. Also covered in the abstract and citation database SCOPUS®. Full text available on ScienceDirect®.

Special Issue: A tribute to Kiyosi Itô

Guest Editors: Marc Yor, Maria E. Vares

<i>T. Mikosch</i> , Editorial	575
<i>M. Yor</i> , Some aspects of K. Itô's works	577
Bibliography of Kiyosi Itô	580
<i>M. Yor and M.E. Vares</i> , Introducing the volume	585

The Mathematical Articles

<i>M. Fukushima</i> , From one dimensional diffusions to symmetric Markov processes	590
<i>N. Ikeda and S. Taniguchi</i> , The Itô–Nisio theorem, quadratic Wiener functionals, and 1-solitons	605
<i>H. Kunita</i> , Itô's stochastic calculus: Its surprising power for applications	622
<i>S. Watanabe</i> , Itô's theory of excursion point processes and its developments	653
<i>J. Bertoin</i> , A limit theorem for trees of alleles in branching processes with rare neutral mutations	678
<i>P. Biane</i> , Itô's stochastic calculus and Heisenberg commutation relations	698
<i>J.-F. Le Gall</i> , Itô's excursion theory and random trees	721
<i>W. Werner</i> , Poisson point processes, excursions and stable processes in two-dimensional structures	750

