

# APCTP 23 ~ 24

THE TWENTYTHIRD-TWENTYFOURTH ISSUE

# BULLETIN



JAN. ~ DEC.  
2009

## CONTENTS

### ASIA-PACIFIC FORUM

### APCTP NEWS

### TOPICS IN PHYSICS

- Transport Properties in Graphene  
- Hu-Jong Lee & Dong-Keun Ki
- Graphene - Young-Woo Son
- How to Characterize Trend Switching Processes in Financial Markets  
- Tobias Preis & H. Eugene Stanley
- Statistical Physics and Agent-Based Economics  
- Shu-Heng Chen
- Geometric phases and hidden gauge symmetry  
- Kazuo Fujikawa
- Recent Progresses in Dark matter Astrophysics  
- Jae-Weon Lee
- Recent Developments in M2 brane Physics  
- Sungjay Lee

### Selected Essays from the Crossroads - the webzine of APCTP

- Scientific Communication at Crossroads, Science Fiction and Essays - Park Sangjoon
- Is There a Seat for Religion on the Science Bus? - Lee Jin-nam
- Doing Science in Korean Society - Lee Jong-Phil

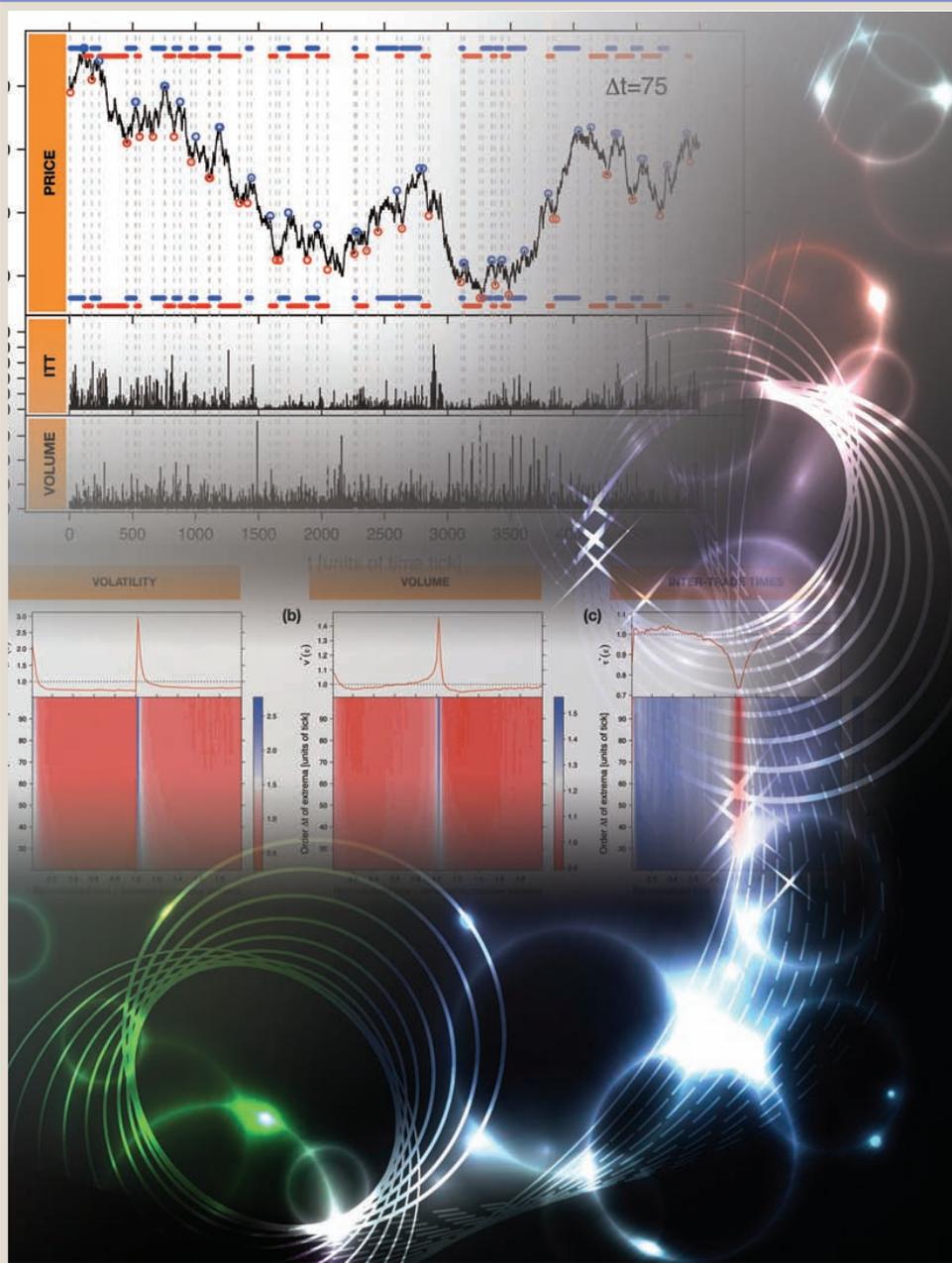
### ASIA PACIFIC INSTITUTES

- INSTITUTE OF PHYSICS, VIETNAM ACADEMY OF SCIENCE AND TECHNOLOGY  
- Nguyen Dai Hung
- Letter from a New Partner: The Perimeter Institute for Theoretical Physics  
- Neil Turok

### WE HEAR THAT

- Vietnam School of Physics - an activity of science, friendship and collaboration  
- Nguyen Anh Ky
- Summer School on Particle Physics, Cosmology, and Strings at Perimeter Institute  
- Kyung Kiu Kim
- What is Evolution?- On Bicentennial of Charles Darwin's Birth - Myung Won Cho
- APCTP-MPI Joint Workshop on Topological Order  
- Jung Hoon Han

### REPORT ON SCIENTIFIC ACTIVITIES AND SCIENTIST NETWORK ACTIVITIES



Asia Pacific Center for Theoretical Physics