

Workshop on  
**Applied Analysis  
and Probability**

**March 24 (Friday) 2017**

**Rm 201, NCTS (Astro-Math Bldg., NTU)**

10:30-11:00 **Refreshments**

**1 Hour Lectures**

- 11:00-12:00 **Hiroshi Takahashi (Tokyo Gakugei University)**  
Topics of Multi-Dimensional Brox-type Diffusion Processes
- 12:00-13:10 **Lunch**
- 13:20-14:20 **Gi-Ren Liu (National Cheng Kung University)**  
Application of Diffusion Map to the Sleeping Assessment

**20-Minute Lectures**

- 14:40-15:40 **Session I**  
**Kimiaki Shinkai (Tokyo Kasei Gakuin University)**  
Structure Analysis of Fuzzy Graph and its Application  
**Gyeongha Hwang (National Center for Theoretical Sciences)**  
Probabilistic Well-Posedness of Generalized KdV  
**Chih-Chiang Huang (National Taiwan University)**  
Traveling-Wave Speed for Reaction-Diffusion Systems
- 15:40-16:00 Refreshments
- 16:00-17:00 **Session II**  
**Yasumasa Saisho (Hiroshima University)**  
On a Probabilistic Problem Appearing in Radiation Biology  
**Shuya Kanagawa (Tokyo City University)**  
Estimation of Jump-Times of Daily Share Prices of Nikkei 225 Stock Index Using a Jump Diffusion Model  
**Narn-Rueih Shieh (National Taiwan University)**  
American Options in the Hobson-Rogers Model

Organizers **Narn-Rueih Shieh (National Taiwan University)**  
**Jenn-Nan Wang (National Taiwan University)**

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