

# Half-Day Workshop on Pattern Formation and Statistical Physics with Prof. Helmut R. Brand

Date and Time : Monday, March 6th, 2017, 14:00-17:50

Venue : Chuo University, Korakuen-campus

Place : Building No.6 (理工 6 号館), 3rd floor, Room 6301

## Program

14:00-14:05 : Makoto Katori (Chuo), Opening address

(chair: J. Wakita)

14:10-14:40 : Makoto Katori (Chuo),

Conformal invariance of complex Brownian motion and integrable stochastic particle systems

14:50 -15:20 : Sergio Andraus (Chuo),

Dynamics of stochastic particle systems with exchange interaction

(15:30-15:50 : coffee break)

(chair : M. Katori)

15:50-16:20 : Jun-ichi Wakita (Chuo),

Velocity field analysis of spontaneously formed bacterial flow in a shallow circular pool

16:30-17:00 : Ryojiro Honda (Chuo),

Multifractal analysis of time series data of local cell density in a shallow circular pool

17:10-17:40 : Takuma Narizuka (Waseda),

Statistical properties for directional alignment and chasing of players in football games

18:00 - : Banquet

Contact to : Makoto Katori (Dept. Phys., Chuo Univ.)

TEL: (03) 3817-1776

E-mail: katori@phys.chuo-u.ac.jp

Building No.1 (理工 1 号館) 5th floor, Room 1538

Contact to : Jun-ichi Wakita (Dept. Phys., Cuo Univ.)

TEL: (03) 3817-1788

E-mail: wakita@phys.chuo-u.ac.jp

Building No.1 (理工 1 号館) 3rd floor, Room 1328