

# Conference on Partial Differential Equations in Kumamoto

Masashi Misawa (Kumamoto University)

Date and Time : Friday, November 26, 2010; 14:00 – Saturday, November 27, 2010; 17:10

Place : Graduate School of Science and Technology, Mathematics, Kumamoto  
University

## Schedule

### November 26, Friday

14:00–14:50 Jun Kigami, Kyoto University

Dirichlet forms and heat kernels on the Cantor set induced by random walks  
on trees

15:10–16:00 Yoshie Sugiyama, Tsuda College

Measure valued solutions of the 2D Keller-Segel system

16:20–17:10 Shigeaki Koike, Saitama University

Local maximum principle for fully nonlinear PDEs with unbounded coefficients

*Banquet*

### November 27, Saturday

10:10–11:00 Juha Kinnunen, Aalto University

On the definition and properties of superparabolic functions

11:20–12:10 Takayoshi Ogawa, Tohoku University

Asymptotic behavior of solution for the drift-diffusion system of a critical case

*Lunch*

14:00–14:50 Ken Shirakawa, Kobe University

Steady-state solutions for systems of PDEs including singular diffusion equations

15:10–16:00 Futoshi Takahashi, Osaka City University

A Payne-Rayner type inequality for the Robin problem on arbitrary minimal surfaces in  $R^N$

16:20–17:10 Yoshiyuki Kagei, Kyushu University

On asymptotic behavior of solutions of the compressible Navier-Stokes equation around a parallel flow

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