

International Conference  
**Viscosity Solutions and Related Topics**



November 22 (Thu) – 24 (Sat), 2018

Aoba Science Hall, Tohoku University

– **Program** –

**DAY 1 November 22 (Thu)**

13:25 – Opening

13:30 – 14:20

Antonio Siconolfi (La Sapienza Università di Roma)

The vanishing discount problem in a noncompact setting

14:30 – 15:20

Hiroyoshi Mitake (The University of Tokyo)

On large-time behavior for birth-spread type nonlinear PDEs

15:40 – 16:30

Naoyuki Ichihara (Aoyama Gakuin University)

Ergodic problems for viscous Hamilton-Jacobi equations with inward drift

16:40 – 17:30

Takeyuki Nagasawa (Saitama University)

Interpolation between the isoperimetric ratio and curvature for plane curves and an application to curvature flows with non-local terms

**DAY 2 November 23 (Fri)**

10:00 – 10:50

Olivier Ley (IRMAR)

Explicit formulas for Glaeser-Whitney types extensions using sup and inf-convolutions

11:00 – 11:50

Kazuhiro Ishige (The University of Tokyo)

To logconcavity and beyond

11:50 – 14:00 Lunch break

14:00 – 14:50

Andrzej Świąch (Georgia Institute of Technology)

Coupling distance between Levy measures and uniqueness of viscosity solutions of non-local HJB equations

15:00 – 15:50

Katsuyuki Ishii (Kobe University)

Convergence of a threshold-type algorithm to curvature-dependent motions

16:10 – 17:00

Hitoshi Ishii (Tsuda University)

Some generalizations of the vanishing discount problem and the comparison principle

### **DAY 3 November 24 (Sat)**

10:00 – 10:50

Takeshi Ohtsuka (Gunma University)

Minimizing movement approach using general level set functions for evolving spirals by crystalline curvature flow with driving force

11:00 – 11:50

Yasuhiro Fujita (University of Toyama)

A geometrical characterization of a class of nowhere differentiable functions

11:50 – Closing

#### **Organizing Committee:**

Kazushige Nakagawa (Fukushima University)

Goro Akagi (Tohoku University)

Takahiro Kosugi (Fukuoka Institute of Technology)

Shinya Okabe (Tohoku University)

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