

# The 27th Sapporo Symposium on Partial Differential Equations

## (第27回偏微分方程式論札幌シンポジウム)

下記の要領でシンポジウムを行いますのでご案内申し上げます。

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Organizers: T. Ozawa, Y. Giga, S. Jimbo, G. Nakamura

### 記

1. Period (期間) July 31, 2002 - August 2, 2002
2. Venues (場所) Hokkaido University, Faculty of Science (北海道大学大学院理学研究科) 3号館 (数学教室512号室) および5号館大講義室 (数学教室南向かい)
3. Programme (プログラム)

#### July 31, 2002 (Wednesday)

- 13:30-14:30 M. Chipot (U.Zurich)  
Nonlocal evolution problems
- 15:00-16:00 Xian-Gao Liu (Fudan U.)  
The analysis of singular sets of Landau-Lifshitz system
- 16:30-17:00 M. Kubo (久保 元彦), Hokkaido U.(北大院)  
Magnetic clusters and fold energies
- 17:00-17:30 Free discussion time with speakers in the coffee-tea room\*

#### August 1, 2002 (Thursday)

- 9:30-10:30 C.-J. Xu (U. Rouen)  
Logarithmic Sobolev inequality for infinitely degenerate elliptic operators
- 11:00-12:00 H. Matano (俣野 博), U. Tokyo(東大)  
A variational characterization of the effective speed of inhomogeneous travelling waves
- 14:00-14:30 Free discussion time with speakers in the coffee-tea room\*
- 14:30-15:00 K. Yamada (山田 計幸), Hokkaido U.(北大院)  
Solvability of viscous Burgers-like equations with linearly growing initial data

- 15:30-16:00 K. Tsugawa (津川 光太郎), Tohoku U. (東北大)  
Existence of the global attractor for weakly damped, forced  
KdV equations on Sobolev space of negative index
- 16:30-17:00 T. Nakamura (中村 徹), Tokyo Institute of Technology (東工大)  
Asymptotic decay toward the rarefaction waves of solutions  
for viscous conservation laws in one-dimensional half space
- 17:00-17:30 Free discussion time with speakers in the coffee-tea room\*
- 18:00-20:00 Banquet (懇親会) Faculty House - Trillium (エンレイソウ, Enreiso)

August 2, 2002 (Friday)

- 9:30-10:30 H. Kang (Seoul National U.)  
An asymptotic expansion of solutions to the Lamé system  
in the presence of inclusions and applications
- 11:00-12:00 Y. Kagei (隠居 良行), Kyushu U. (九大)  
On large time behavior of solutions to the compressible  
Navier-Stokes equations in the half space in  $\mathbf{R}^3$
- 14:00-15:00 S. Ukai (鵜飼 正二), Yokohama National U. (横国大)  
On the half-space problem of the Boltzmann equation  
(joint work with T. Yang, S.-H. Yu (City Univ. of Hong Kong))
- 15:00-15:30 Free discussion time with speakers in the coffee-tea room\*

\* Lecturers in each session are invited to stay in the coffee-tea room during discussion time.

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本年は、最初の2日が数学教室、最終日が5号館大講義室と変則的ですのでご注意ください。