

# Sapporo Guest House Symposium on Mathematics 9

## Nonlinear diffusive equations and singular perturbations

Organizers: Yoshikazu Giga (儀我 美一) (Hokkaido Univ.)  
Shun'ichi Goto (後藤 俊一) (Hokkaido Univ.)  
Yasumasa Nishiura (西浦 廉政) (Hokkaido Univ.)

February 12, 2001 (Monday)

- 9:50–10:40 Danielle HILHORST (Paris Sud)  
Singular limit of a reaction-diffusion system with resource-consumer interaction
- 11:00–11:40 Yoshihiro TONEGAWA (Hokkaido U.)  
Phase field model with a variable chemical potential
- 11:50–12:30 Kazuo ITO (Kyushu U.)  
Three phase boundary motion by surface diffusion in triangular domain
- 14:30–15:20 Charles M. ELLIOTT (U. of Sussex)  
Mean field vortex density models and flux penetration in type II superconductors
- 15:40–16:00 Takeshi OTSUKA (Hokkaido U.)  
Growth of spirals and level set method
- 16:20–17:00 Yoshikazu GIGA (Hokkaido U.)  
A crude model describing bunchings

The place of minisymposium:

Sapporo Guest House, 8 minutes walk from Sumikawa (Subway Station)  
(札幌天神山ゲストハウス, 札幌市豊平区平岸2条17丁目1-80)

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- 雪に囲まれておりますので、雪靴を用意されるか、新千歳空港ご到着時にストッパー (なるべく大きく、粘着式でないもの) (1,000~1,500円) をご購入されることを勧めます。
- この時期の気温は夜氷点下 10℃程度、昼氷点下 5℃程度と予想されます。ただし会場内は本州の大学より暖かいはずです。

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