

Workshop on

# Differential Equations and Asymptotic Analysis

December 17 (Mon) & 18 (Tue), 2007  
Room No. 115 of RIMS, Kyoto University

## Program

### December 17, Monday

- 14:00 – 15:00 Kenji Kajiwara (Kyushu Univ.)  
Hypergeometric solutions to the Painlevé systems
- 15:30 – 16:30 Nalini Joshi (Univ. of Sydney)  
The asymptotic behaviours of higher Painlevé equations
- 17:00 – 18:00 Tatsuya Koike (Kobe Univ.)  
On Painlevé hierarchies and the degenerate Garnier systems

### December 18, Tuesday

- 10:00 – 11:00 Yoshitsugu Takei (RIMS, Kyoto Univ.)  
On the transformation theory for Schrödinger equations with two merging turning points
- 11:30 – 12:30 Tohru Morimoto (Nara Women's Univ.)  
Geometry of holonomic systems
- 14:00 – 15:00 Laurent Stolovitch (Univ. Paul Sabatier, Toulouse)  
Rigidity of quasihomogeneous vector fields
- 15:30 – 16:30 Masafumi Yoshino (Hiroshima Univ.)  
On the nonintegrability of Hamiltonian systems

*Contact : Yoshitsugu Takei (RIMS, Kyoto Univ.)  
075-753-7249, takei@kurims.kyoto-u.ac.jp*