

PROGRAMME

COE Conference

Recent Advances and Applications in
Nonlinear Science

16 ~ 19 October 2006,
Graduate School of Mathematical
Sciences, The University of Tokyo

Monday 16 October

10:00 ~ 10:30 : — registration

10:30 ~ 10:45 : — opening ceremony

10:45 ~ 11:30 : **J.H. Lee**

Solvability of the derivative nonlinear schrödinger equation
and solitons of the resonant nonlinear schrödinger equation

11:30 ~ 12:15 : **A.S. Carstea**

On the dynamics of networks of genetic transcriptional
regulators

12:15 ~ 14:15 : — lunch break

14:15 ~ 15:00 : **K.M. Tamizhmani**

Integrability of Differential-Difference Equations –
Singularity Confinement Approach

15:00 ~ 15:45 : **N. Joshi**

Asymptotics of the higher order Painlevé equations

15:45 ~ 16:15 : — coffee break

16:15 ~ 17:00 : **J.J.C. Nimmo**

Darboux transformations and quasideterminants

17:00 ~ 17:45 : **W.Strampp**

Isobaric Polynomials and Bilinear Operators

18:15~ : — Reception

Tuesday 17 October

- 10:00 ~ 10:45 : **S. Lafortune**
When is negativity not a problem for the ultra-discrete limit?
- 10:45 ~ 11:15 : — coffee break
- 11:15 ~ 12:00 : **C. Gilson**
Quasideterminant solutions to noncommutative integrable systems
- 12:00 ~ 14:00 : — lunch break
- 14:00 ~ 14:45 : **A. Laverne**
Some uses of dimensional analysis in physics
- 14:45 ~ 15:30 : **C.J. Chyan**
Some results on measure chains
- 15:30 ~ 16:00 : — coffee break
- 16:00 ~ 16:45 : **M. Mimura**
Combustion under micro-gravity: modeling and simulation
- 16:45 ~ 17:30 : **F.C. Liu**
Nonlinear systems of inequalities – a revisit of separation principles

Wednesday 18 October

- 10:00 ~ 10:45 : **T. Tamizhmani**
From integrable lattices to non-QRT mappings and other stories
- 10:45 ~ 11:15 : — coffee break
- 11:15 ~ 12:00 : **Y. Pomeau**
Eigenvalues and eigenfunctions of the Laplacian to a very large power
- 12:00 ~ 14:00 : — lunch break
- 14:00 ~ 14:45 : **Y. Ueda**
My encounter with Chaos and where we are now
- 14:45 ~ 15:30 : **B. Grammaticos**
Is there life after integrability? An autobiographical exploration of Terra Integrabilitatis
- 15:30 ~ 16:00 : — coffee break
- 16:00 ~ 16:45 : **J. Satsuma**
From continuous to ultradiscrete
- 18:00~ : — banquet

Thursday 19 October

- 10:00 ~ 10:45 : **K. Nishinari**
Jammology – Physics of self-driven particles
- 10:45 ~ 11:15 : — coffee break
- 11:15 ~ 12:00 : **B. Dorizzi**
Wavelet decomposition for iris recognition
- 12:00 ~ 14:00 : — lunch break
- 14:00 ~ 14:45 : **Y. Nakamura**
mdLVs: A new numerical algorithm for singular values designed by using discrete integrable systems
- 14:45 ~ 15:30 : **A. Ramani**
TBA
- 15:30 ~ 16:00 : — coffee break
- 16:00 ~ 16:45 : **J. Hietarinta**
Searching for integrable equations
- 16:45 ~ 17:30 : **Y. Takeuchi**
TBA