Workshop on Harmonic Analysis
and Nonlinear Partial Differential Equations

Research Institute for Mathematical Sciences, Kyoto University
Room No. 420

Monday, July 8, 13:30 — Wednesday, July 10, 12:05, 2002

Organizer: Masao Yamazaki (Waseda Univ.)
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Monday, July 8

13:30–14:30 Eiichi Nakai (Osaka Kyouiku Univ.)
Hardy Spaces and Generalized Fractional Integrals

14:45–15:30 Reika Fukuizumi (Tohoku Univ.)
Stability of Standing Waves for Nonlinear Schrödinger
Equations with Double Power Nonlinearity

15:45–17:00 Christopher D. Sogge (Johns Hopkins Univ.)
Almost Global and Global Existence for Nonlinear Wave
Equations Outside of Obstacles

Tuesday, July 9

9:45–10:45 Takuya Sobukawa (Okayama Univ.)
The Relation between the Extrapolation Estimates

11:00–12:00 Takahiro Mizuhara (Yamagata Univ.)
Some Factorization Theorem for Hardy Spaces
and Commutators on Morrey Spaces

13:30–14:30 Hiroyuki Chihara (Tohoku Univ.)
The Initial Value Problem for Schrödinger Equations
on the Torus

14:45–15:30 Shuji Machihara (Shimane Univ.)
Small Global Solutions for the Nonlinear Dirac Equation

15:45–17:00 Christopher D. Sogge (Johns Hopkins Univ.)
Eigenfunctions and Harmonic Analysis

18:30– Banquet (at Co-Op Inn Kyoto)
http://www2.univcoop.or.jp/inn

Wednesday, July 10

9:30–10:15 Okihiro Sawada (Hokkaido Univ.)
On Time-Local Solvability of the Navier-Stokes Equations
in Besov Spaces

10:25–11:10 Yuko Enomoto (Waseda Univ.)
L_p-L_q Estimates of the Oseen Semigroup in
n-Dimensional Exterior Domain and its Application

11:20–12:05 Jihoon Lee (Seoul National Univ.)
On the Subdissipative Navier-Stokes Equations