

RIMS Workshop

“Geometry related to the theory of integrable systems ”

will be held September 25-28 in 2007 at RIMS (Research Institute for Mathematical Sciences, Kyoto University).

Date : September 25 (Tues.) ~ 28 (Fri.), 2007

Room : 402 (4-th floor at RIMS)

Address : Kita-shirakawa-Oiwake-cho, Sakyo-ku, Kyoto, 606-8502

RIMS is located near city bus stop : Kyo-dai Nogaku-bu-mae or Kita-Shirakawa.

Program

September 25 (Tues.)

13:30~14:30 **Motohico Mulase** (U. Calif., Davis)

Integrable systems associated with character varieties

14:15~15:15 **Hiroshi Iritani** (Kyushu U.)

Integral structures of toric quantum cohomology class groups

16:00~17:00 **Masashi Hamanaka** (Nagoya U.)

Noncommutative Integrable Systems and Twistor Geometry

September 26 (Wed.)

9:30~10:30 **Katsunori Iwasaki** (Kyushu U.)

Geometry of Painlevé equations (joint work with T. Uehara)

10:45~11:45 **Hajime Nagoya** (Keio U.)

Quantum Painlevé equations

13:30~14:30 **Ernst Heintze** (U. Augsburg)

Real forms and finite order automorphisms of affine Kac-Moody algebras

14:45~15:45 **Yohei Komori** (Osaka City U.)

Drawing the complex projective structures on once-punctured tori

16:00~17:00 **Jorge Lauret** (U. Cordoba)

Noncompact Einstein homogeneous manifolds and geometric invariant theory

September 27 (Thur.)

9:30~10:30 **Josef Dorfmeister** (TU Munich)

CMC trinoids of genus $g = 0$: a closer look

10:45~11:45 **Shimpei Kobayashi** (Tokyo Denki U.)

Real form surfaces of a complex constant mean curvature surface

13:30~14:30 **Iskander Taimanov** (Inst. Math., Novosibirsk)

Surfaces in three-dimensional Lie groups

14:45~15:45 **John Bolton** (U. Durham)

The moduli space of harmonic 2-spheres in round spheres

September 28 (Fri.)

9:30~10:30 **Toshifumi Tanaka** (Osaka City U. Adv. Math. Inst.)

Knots and minimal surfaces

10:45~11:45 **Mario Micallef** (U. Warwick)

Douglas's approach to solving the Plateau problem

This workshop is also under the auspices of OCAMI (Osaka City university Advanced Mathematical Institute).

Reiko Miyaoka (022-795-6375)

r-miyaok@math.tohoku.ac.jp

Mathematical Institute, Tohoku University