

RIMS Workshop on Non-abelian Hodge theory and Geometry of Twistor structures

July 13 - 16, 2009

Room 127, Building 3, Graduate School of Science, Kyoto University

	Jul. 13 (Mon)	Jul. 14 (Tue)	Jul. 15 (Wed)	Jul. 16 (Thu)
10:00–11:00	Simpson	Simpson	Simpson	Simpson
11:30–12:30	Mochizuki	Mochizuki	Sabbah	Sabbah
14:30–15:30	Yamakawa	Szabó	Fujiki	Moriya
16:00–17:00	Haraoka	Tsuchimoto	Saito	—

- July 13 (Monday)

- 10:00–11:00 : C. Simpson (Université de Nice), *Lectures on Nonabelian Hodge Theory I– The Hodge filtration on nonabelian cohomology*
- 11:30–12:30 : T. Mochizuki (RIMS, Kyoto Univ.), *On wild harmonic bundles I*
- 14:30–15:30 : D. Yamakawa (RIMS, Kyoto Univ.), *Quiver varieties and parabolic connections on marked projective lines*
- 16:00–17:00 : Y. Haraoka (Kumamoto Univ.), *Prolongation and middle convolution of Fuchsian systems*

- July 14 (Tuesday)

- 10:00–11:00 : C. Simpson (Université de Nice), *Lectures on Nonabelian Hodge Theory II– Local study and the role of variations of Hodge structure*
- 11:30–12:30 : M. Mochizuki (RIMS, Kyoto Univ.), *On wild harmonic bundles II*
- 14:30–15:30 : S. Szabó (Budapest Univ. of Technology and Economics), *Deformations of logarithmic connections and apparent singularities*
- 16:00–17:00 : Y. Tsuchimoto (Kochi Univ.), *Endomorphisms of the Weyl algebra A_n and associated projective modules of rank 1*

- July 15 (Wednesday)

- 10:00–11:00 : C. Simpson (Université de Nice), *Lectures on Nonabelian Hodge Theory III– The noncompact case: weight-two phenomena*
- 11:30–12:30 : C. Sabbah (École Polytechnique), *Introduction to twistor D-Modules*
- 14:30–15:30 : A. Fujiki (Osaka Univ.), *Anti-self-dual bihermitian structures on Inoue surfaces via twistor method*
- 16:00–17:00 : M.-H. Saito (Kobe Univ.), *Deligne-Hitchin-Simpson's twistor spaces and degenerations of isomonodromic flows*

- July 16 (Thursday)

- 10:00–11:00 : C. Simpson (Université de Nice), *Lectures on Nonabelian Hodge Theory IV– The noncompact case: classification questions*
- 11:30–12:30 : C. Sabbah (École Polytechnique), *Twistor D-Modules and Fourier-Laplace transform*
- 14:30–15:30 : S. Moriya (Kyoto Univ.), *Twistor structures on real pro-algebraic homotopy types of compact Kahler manifolds*

Organizers:

T. Mochizuki(RIMS, Kyoto)

M.-H. Saito(Kobe)

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URL:

<http://www2.kobe-u.ac.jp/mhsaito/events/0907rims-workshop.html>