

OCAMI-TIMS Joint International Workshop on Differential Geometry and Geometric Analysis

Date : March 9 (Mon)- March 10 (Tue), 2009

Place: Lecture Room 3040, Department of Mathematics, Graduate School of Science,
Osaka City University

PROGRAM

March 9 (Mon)

- 9:50–10:00 Speech by OCAMI Director Akio Kawauchi
- 10:00–11:00 Yoshihiro Ohnita (Osaka City University, Japan)
“Differential geometry of Lagrangian submanifolds and Hamiltonian variational problems.”
- 11:10–12:10 Yng-Ing Lee (National Taiwan University, Taiwan)
“On the existence of Hamiltonian stationary Lagrangian submanifolds in symplectic manifolds”
- 13:30–14:30 River Chiang (National Cheng Kung University, Taiwan)
“On the construction of certain 6-dimensional Hamiltonian $SO(3)$ manifolds”
- 14:50–15:50 Futoshi Takahashi (Osaka City University, Japan)
“On an eigenvalue problem related to the critical Sobolev exponent: variable coefficient case”
- 16:00–17:00 Chang-Shou Lin (National Taiwan University, Taiwan)
“Green function and Mean field equations on torus”

March 10 (Tue)

- 10:00–11:00 Jost Hinrich Eschenburg (University of Augsburg, Germany)
“Constant mean curvature surfaces and monodromy of Fuchsian equations”
- 11:10–12:10 Derchy Wu (Academia Sinica, Taiwan)
“The Cauchy Problem of the Ward Equation”
- 13:30–14:30 Manabu Akaho (Tokyo Metropolitan University, Japan)
“Lagrangian mean curvature flow and symplectic area”
- 14:50–15:50 Hajime Ono (Science University of Tokyo, Japan)
“Variation of Reeb vector fields and its applications”
- 16:00–17:00 Shu-Cheng Chang (National Taiwan University, Taiwan)
“The CR Bochner formulae and its applications”

Concentrated Lectures

Concentrated Lectures by Professor Jost Hinrich Eschenburg on Harmonic Map Theory

Dates : March 12 (Thu)- March 13 (Fri) 10:00-12:00 (two lectures)

Place : Lecture Room 3040

Title : Pluriharmonic Maps and Submanifolds

Concentrated Lectures by Professor Quo-Shin Chi on Isoparametric Submanifold Theory

Dates : March 12 (Thu)- March 13 (Fri) 15:00-17:00 (two lectures)

Place : Lecture Room 3040

Title : The Isoparametric Story

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March 11 (Wed)

Differential Geometry Seminar

10:40–12:10 柏田 豊子 Toyoko Kashiwada

「共形キリングテンソル及びその周辺 —添字付きテンソル解析を主道具として」
“Conformal Killing Tensors and Tensor Analysis”

14:40–16:10 安井 幸則 Yukinori Yasui (Dept. of Physics, Osaka City University)

「コンフォーマル Killing-矢野テンソルを持つ Einstein 多様体」
“Einstein Manifold with Conformal Killing-Yano tensor”

OCAMI Colloquium

16:30–17:30 橋本 義武 Yoshitake Hashimoto (Osaka City University)

TBA

March 12 (Thu)

Differential Geometry Seminar

17:30–19:00 川上 裕 Yu Kawakami (Kyushu University & OCAMI)

「平坦エンドをもつ極小曲面の非存在性について」
“Non-existence of minimal surfaces with embedded planar ends”