

The 10th Pacific Rim Geometry Conference 2011 Osaka-Fukuoka Part II

December 7(wed)-9(Fri), 2011

Kyushu University Nishijin Plaza (Fukuoka, Japan)

Program

(Ver.Nov.28)

December 7 (Wed)

09:40-09:50 Opening Remarks

09:50-10:50 Henry Wente (U. of Toledo, USA)

Exotic capillary tubes

11:00-12:00 Jaigyoung Choe (KIAS, Korea)

A sharp isoperimetric inequality for minimal surfaces

Lunch

13:30-14:30 Miyuki Koiso (Kyuhsu U./PREST, JST, Japan)

Pitchfork bifurcation for hypersurfaces with constant mean curvature

14:40-15:20 Keomkyo Seo (Sookmyung Women's U., Korea)

SL^2 harmonic S^1 -forms on a complete minimal submanifold in hyperbolic space

Coffee Break

15:50-16:20 Rung-Tzung Huang (National Central U., Taiwan)

The comparison theorem of the refined analytic torsions on manifolds with boundary for an acyclic Hermitian connection

16:20-17:00 Toshiaki Omori (Tohoku U., Japan)

On existence of harmonic maps via exponentially harmonic maps

17:00-17:30 Sung-Hong Min (KIAS, Korea)

Embeddedness of proper minimal submanifolds in homogeneous spaces

Reception Party 18:30-20:30 at Hilton Fukuoka Sea Hawk Hotel

December 8 (Thu)

09:50-10:50 Paolo Piccione (U. of Sao Paulo, Brazil)

Equivariant bifurcation in geometric variational problem

11:00-12:00 Yoonweon Lee (Inha U., Korea)

Gluing formula of the refined analytic torsion

Lunch

13:30-14:30 Entao Zhao (Zhejiang U., P.R.China)

The mean curvature flow in higher codimensions

14:40-15:20 Yu Kawakami (Yamaguchi U., Japan)

A ramification theorem for the ratio of canonical forms of flat surfaces
in hyperbolic three-space

Coffee Break

PhD students Session:

15:50-16:15 Renato Bettiol (U. Notre Dame, USA)

Bifurcation and local rigidity of homogeneous solutions to the Yamabe
problem on spheres

16:15-16:40 Nguyen Thac Dung (National Tsinghua U., Taiwan)

Complete Smooth Metric Measure Spaces with Spectrum Bounded from
Below (Joint work with Prof. C. J. Sung)

16:40-17:05 Abdullah Kizilay (Tohoku U., Japan)

Viscosity solutions on a Riemannian manifold

17:10-17:35 Kotaro Kawai (Tohoku U., Japan)

Construction of special Lagrangian submanifolds

17:35-18:00 Satoshi Ueki (Tohoku U., Japan)

Leaf-wise intersections in coisotropic submanifolds

December 9 (Fri)

09:50-10:50 Boris Botvinnik (U. of Oregon, USA)

Surgery, concordance and isotopy of metrics with positive scalar
curvature

11:00-12:00 Harish Seshadri (Indian Inst. Sci., India)

On Wilking's criterion for the Ricci flow

Lunch

13:30-14:30 Kazuo Akutagawa (Tohoku U., Japan)

S^3 -manifolds with positive flat conformal structure

14:40-15:30 Bennett Palmer (Idaho State U., USA)

Anisotropic variational problems for surfaces

15:30-16:00 Naoya Ando (Kumamoto U., Japan)

Hopf's theorem for surfaces with constant mean curvature and its generalizations

16:00-16:10 Closing Address

Posters (December 7 – 9)

Tatsuyoshi Hamada (Fukuoka University, Japan)

“MathLibre: an open source project for enjoying mathematics with computer”

Xianfeng Wang (Nankai University, P. R. China)

“Second eigenvalue of a Jacobi operator of hypersurfaces with constant scalar curvature”

Hisayoshi Muroya (OCAMI, Japan)

“n-end catenoids of genus one”

Ayaka Shimizu (OCAMI, Japan)

“Region Select--a game using knot theory”
