

The 20th Midwest Geometry Conference

University of Oklahoma, Norman

January 17-18, 2015

SCHEDULE

All talks are scheduled in Physical Science Building (PHSC), Room 108

SATURDAY, January 17, 2015

- 8:00-8:30 A.M. Snacks and Registration (PHSC 1105)
- 8:40-9:30 A.M. Karsten Grove (University of Notre Dame)
Reflection groups in nonnegative curvature
- 9:40-10:30 A.M. Xiaocun Rong (Rutgers University at New Brunswick)
Fundamental groups of manifolds of nonnegative Ricci curvature
- 10:40-11:30 A.M. Chiu-Chu Mellisa Liu (Columbia University)
All genus mirror symmetry for toric Calabi-Yau 3-orbifolds
- 11:40-12:30 P.M. Lei Ni (University of California at San Diego)
Method of parabolic asymptotics in complex geometry
- 12:30-2:00 P.M. Box Lunch in PHSC 1105

SATURDAY, January 17, 2015

- 2:00-2:50 P.M. Bang-Yen Chen (Michigan State University)
Ricci solitons on Riemannian submanifolds
- 3:00-3:50 P.M. Alfonso Carriazo (Universidad de Sevilla, Spain)
On slant submanifolds of semi-Riemannian manifolds
- 4:00-4:30 P.M. Bogdan Suceavă (California State University, Fullerton)
On Strongly Minimal Kähler Surfaces in C^3

- 4:40-5:30 P.M. Jie Qin (University of California at Santa Cruz)
Dupin hypersurfaces with constant $M^{\{o\}}$ bius curvatures
- 6:30-8:00 P.M. Banquet at the Frontier Room of the Union Building
- 8:00-9:00 P.M. Discussion on Open Problems

SUNDAY, January 18, 2015

- 8:00-8:30 A.M. Fruits and Vegetable (PHSC 1105)
- 8:30-9:20 A.M. Joseph A. Wolf (University of California at Berkeley)
Homogeneity and Riemannian Quotient Manifolds
- 9:30-10:20 A.M. Robert Gulliver (University of Minnesota)
Immersed minimal surfaces, orientable or nonorientable
- 10:30-11:00 P.M. Lina Wu (BMCC of City University of New York)
Vanishing theorems for differential forms and Liouville
theorems of p -harmonic maps with infinite q -energy on
curved manifolds with Poincar'e-Sobolev inequality
- 11:10-12:00 A.M. Shihshu Walter Wei (University of Oklahoma)
Topological vanishing theorems, stable minimal varieties
and p -harmonic geometry
- 12:00-1:30 P.M. Box Lunch in PHSC 1105

SUNDAY, January 18, 2014

- 1:30-2:20 P.M. Richard L. Bishop (Illinois, Urbana Champaign)
Warped Products of Metric Spaces
- 2:30-3:00 P.M. Ye Li (Central Michigan University)
New comparison theorems in Riemannian geometry
- 3:10-4:00 P.M. Ovidiu Munteanu (University of Connecticut)
The geometry of Ricci solitons

4:10-4:40 P.M.

Handan Yildirim (Istanbul University, Turkey)
 ϕ -de Sitter duals of spacelike hypersurfaces in the lightcone as
wave front sets

4:50-5:20 P.M.

Future Directions of the Midwest Geometry Conference
Repres. from various states