

Celebrating the 40'th Anniversary of the Journal of Differential Geometry

# The Seventh Conference on Geometry and Topology

Harvard University, May 2-4, 2008  
Science Center Hall B



**Chuan-Chih Hsiung**  
the founder and editor  
in chief of JDG

## Program

### FRIDAY May 2, 2008

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- 1.30-2.30PM **Michael Hopkins** Topological field theories in finite dimensions  
2.45-3.45PM **Richard Hamilton** Analysis on Ricci flow  
4.00-5.00PM **William Meeks** Finite genus minimal and CMC surfaces in locally homogeneous 3-manifolds  
5.15-6.15PM **Gerhard Huisken** Isoperimetric inequalities and the mass in general relativity

7.30-PM BANQUET

### SATURDAY MAY 3, 2008

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8:30-9.00AM BREAKFAST

- 9.15-10.15AM **Eckart Viehweg** Stability of Hodge bundles and numerical characterization of Shimura varieties  
10.30-11.30AM **Ron Donagi** On the Geometric Langlands Conjecture

11.30-1.30PM LUNCH

- 1.30-2.30PM **Richard Schoen** New compactness and existence theorems for the high dim. Yamabe problem  
2.45-3.45PM **Claude LeBrun** On Four-Dimensional Einstein Manifolds  
4.00-5.00PM **Fanghua Lin** Hopf variants and knotted solitons in generalized Faddeev models  
5.15-6.15PM **Tobias Colding** Rate of change of width

### SUNDAY MAY 4, 2008

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8:30-9.00AM BREAKFAST

- 9.15-10.15AM **Yuri Tschinkel** Geometry of function fields  
10.30-11.30AM **Denis Auroux** Special Lagrangian fibrations and mirror symmetry for Fano manifolds

11.30-1.30PM LUNCH

- 1.30-2.30PM **Mihalis Dafermos** The problem of cosmic censorship and singularities in general relativity  
2.45-3.45PM **Simon Brendle** Ricci flow in higher dimension and the sphere theorem  
4.00-5.00PM **Xiaoqing Li** The subconvexity bounds for L-functions  
5.15-6.15PM **Karsten Grove** Topics around positive curvature