

# Workshop

## 「Geometric Analysis, Sendai 2007」

日時：2007年1月13日(土)～15日(月)  
会場：仙台国際センター小会議室2(13日, 14日)  
東北大学理学部数学棟5階518セミナー室(15日)

### プログラム

#### 1月13日(土)

- 9:30–10:00 Registration and Opening
- 10:00–11:00 Seiki Nishikawa (Tohoku University)  
Asymptotic expansion of the Chern-Simons integral  
– One-loop approximation via stochastic analysis –
- 11:15–12:15 Paul Baird (University of Brest)  
Three-dimensional Ricci solitons
- 14:00–15:00 Zejun Hu (Zhengzhou University)  
Riemannian functionals and their critical metrics
- 15:15–16:15 Thomas Au (Chinese University of Hong Kong)  
Comparing corresponding dihedral angles  
on classical geometric simplexes
- 16:30–17:30 Huili Liu (Northeastern University)  
Curves and hypersurfaces in lightlike cones

#### 1月14日(日)

- 10:00–11:00 Udo Simon (Technical University of Berlin)  
Schouten curvature functions on conformally flat manifolds
- 11:15–12:15 Tadashi Aikou (Kagoshima University)  
Complex Finsler metrics and Chern-Finsler connection

- 14:00–15:00 Martin Guest (Tokyo Metropolitan University)  
Three remarks on singularities of harmonic maps
- 15:15–16:15 Xiaohuan Mo (Peking University)  
Harmonic morphisms and Randers metrics  
of constant flag curvature
- 16:30–17:30 Hironori Kumura (Shizuoka University)  
Radial curvature of ends and spectral structure  
of the Laplacian

1月15日(月)

- 10:00–11:00 Ali Fardoun (University of Brest)  
Weakly  $p$ -harmonic maps to a closed hemisphere
- 11:15–12:15 Rachid Regbaoui (University of Brest)  
Nodal sets of solutions to non-local equations  
in compact Riemannian manifolds
- 14:00–15:00 Yuguang Shi (Peking University)  
Rigidity of compact manifolds and positivity  
of quasilocal mass
- 15:15–16:15 Sumio Yamada (Tohoku University)  
A finite rank property of Teichmuller spaces

組織委員：西川青季（東北大学理学部数学教室）  
実行委員：上野慶介（山形大学理学部数理科学科）