

SEMINAR, COLLOQUIUM & CONFERENCE TALKS

- *Computing Donaldson's Polynomial Invariants from Topological Yang-Mills Theory*, Seminars in Department of Computer Science and Mathematics, Nipissing University, 03/15/2013.
- *Morse Theory and Supersymmetric Quantum Mechanics*, Seminars in Topology Research Group, Department of Computer Science and Mathematics, Nipissing University, 29/01/2010, 05/02/2010.
- *Introduction to Fourier Transform and Wavelet Analysis*, seminar in information physics group, Department of Applied Mathematics, University of Waterloo, 30/10/2006, 13/11/2006.
- *String Inspired and Anomaly Mediated Mechanism for Splitting Supersymmetry*, seminar in Department of Physics, National Tsinghua University, 02/12/2005.
- *On Supergravity Dual of Superconformal Anomaly*, Talk in Taipei International Summer School on Strings, National Taiwan University, 25-29/07/2005.
- *Four-Dimensional Conformal Geometry from AdS₅ Boundary in terms of AdS/CFT Correspondence*, Invited talk in International Workshop on "Conformal Invariants -- Geometric and Analytic Aspects", Mathematical Division, National Center for Theoretical Sciences, 10/14/06/2005.
- *Confinement, Chiral Symmetry Breaking and Electric-Magnetic Duality*, seminar in Department of Physics, National Tsinghua University, 05/05/2005; Department of Physics, National Cheng Kung University, 02/06/2005.
- *From Conformal Field Theory to Conformal Geometry*, seminar in Department of Mathematics, National Tsinghua University & Mathematical Division, National Center for Theoretical Sciences, 18/04/2005.
- *Revealing Mechanism for Confinement and Chiral Symmetry Breaking with Duality*, colloquium in Institute of Physics, Academia Sinica, Taipei, 14/04/2005.
- *Gravity Dual of Superconformal Anomaly*, talk in PASCOS 2004 (10th International Symposium on *Particles, Strings and Cosmology*), Northeastern University, 17/08/2004; seminar in String Theory Group, Department of Physics, National Taiwan University, 17/12/2004.
- *Introduction to Cohomological Topological Quantum Field Theory – Topological Yang-Mills Theory and Topological Sigma Model (I, II)*, semina in String Theory Group, Department of Physics, National Taiwan University, 16/04 & 12/03/2004.
- *Gravity Dual of Two Types of Superconformal Anomaly*, seminar in Department of Physics, National Central University, 17/03/2004.
- *The Holographic Supercurrent Anomaly*, seminars in Department of Physics, National Taiwan University, 28/04/2004; Department of Physics, National Cheng

Kung University, 04/03/2004; Physics Division, National Center for Theoretical Sciences, 01/03/2004; Department of Applied Mathematics, University of Western Ontario, 22/01/2004.

- *Conformal Supergravity in Four Dimensions from Five-dimensional Gauged Supergravity and Holographic Supercurrent Anomaly*, invited talk in *Gunnar Nordstrom Symposium on Theoretical Physics*, Department of Physics, University of Helsinki, 28/08/2003.
- *$N=2$ Four-dimensional Conformal Supergravity from $N=4$ Five-dimensional Gauged Supergravity and Holographic Super-Weyl Anomaly*, talk in *10th Canadian Conference on General Relativity and Relativistic Astrophysics*, University of Guelph, Canada, 29/05/2003.
- *External and Internal Superconformal Anomalies in Gauge/Gravity Dual*, talk in *MRST 2002* (Montreal-Rochester-Syracuse-Toronto Conference on High Energy Physics), Perimeter Institute for Theoretical Physics, Canada, 15/05/2002.
- *Supersymmetric Quantum Gauge Field Theory and Modern Differential Geometry*, colloquium given in Department of Mathematics and Statistics, University of Guelph, 20/11/2001.
- *Observing Lorentz- and CPT Symmetry Violation in Astrophysics*, seminar in Astronomy Group, Department of Physics, University of Waterloo, 14/11/2001.
- *Inequivalence between 2+1-dimensional Gravity and Chern-Simons Gauge Theory*, talk in *MW11/CCI Relativity Meeting* (11th Midwest and First Central Canada Relativity Meeting), University of Waterloo, 20/10/2001.
- *Issues on Radiatively Induced Lorentz and CPT Violation in Quantum Electrodynamics*, talk in *MRST 2001*, University of Western Ontario, 18/05/2001; in *PASCOS 2001* (8th International Symposium on *Particles, Strings and Cosmology*), University of North Carolina at Chapel Hill, 10/04/2001.
- *Introducing Localized Gravity on 3-brane via Randall-Sundrum models (RS1 and RS2)*, seminar in Guelph-Waterloo Gravity Group, University of Waterloo, 08/02/2001.
- *Torsional Topological Invariant and Axial Gravitational Anomaly*, seminar in Guelph-Waterloo Gravity Group, University of Waterloo, 02/11/2000.
- *Understanding Ambiguity on Radiatively Induced Lorentz and CPT Violation in Differential Regularization*, seminar in High Energy Physics Division, Department of Physics, University of Helsinki, 06/2000.
- *Effects of Trilinear Term in Softly Broken $N=1$ Supersymmetric QCD*, Invited talk in the *EPSHEP 99* (International High Energy Physics Conference, European Physical Society), Finland, 07/1999.
- *Differential Regularization and Its Application in Perturbative Quantum Field Theory*, seminar in Winnipeg Institute for Theoretical Physics and Department of Physics, University of Winnipeg, 05/1998.

- *Application of Differential Regularization to Lower Dimensional Quantum Field Theory*, invited talk in Nordic workshop on “*String and Brane*”, Department of Physics, University of Stockholm, 05/1996.