

Tentative Program	Monday (Feb. 17)	Tuesday (Feb. 18)	Wednesday (Feb. 19)	Thursday (Feb. 20)	Friday (Feb. 21)
9:00-10:00	L. Lindblom (I)	J.-O. Gong (I)	P. Horava (II)	D. Page (II)	S. Carlip (III)
10:00-10:30	Break	Break	Break	Break	Break
10:30-11:30	P. Horava (I)	D. Page (I)	S. Carlip (II)	L. Lindblom (III)	J.-O. Gong (III)
11:30-12:30	S. Carlip (I)	L. Lindblom (II)	J.-O. Gong (II)	P. Horava (III)	D. Page (III)
12:30-14:00	Lunch Break	Lunch Break	Lunch Break	Lunch Break (Conference Org.Meeting)	Lunch Break
14:00-15:40	Workshop (Session I)	Workshop (Session III)	Free + [GSROCMeeeting (for members only)]	Workshop (Session V)	Workshop (Session VII)
15:40-16:00	Break	Break		Break	Break
16:00-17:40	Workshop (Session II)	Workshop (Session IV)		Workshop (Session VI)	Workshop (Session VIII)
17:40-18:30		Discussion Session	Banquet (18:00-20:30)	Discussion Session	Awards: Best student/postdoc presentations

***Registration: Monday Feb. 17 (08:30-09:00+10:00-10:30+12:30-14:00(during lunch break))**

Plenary Talks:

- 1) **Lee Lindblom (Caltech):**
Solving Einstein's Equation Numerically Using Spectral Methods
- 2) **Petr Horava (UC Berkeley):**
Quantum Gravity and QFT with Anisotropic Scaling in the Multicritical Universe
- 3) **Steven Carlip (UC Davis) :**
Black Hole Thermodynamics
- 4) **Jinn-Ouk Gong (APCTP) :**
Cosmological Perturbations during Inflation
- 5) **Don Page (U Alberta) :**
Excluding Black Hole Firewalls with Extreme Cosmic Censorship

Workshops(Sessions I-VIII) Notes: *20mins./presentation; *Sessions II, IV, VI, VII are for student/postdoc presentations, with awards for best presentations):

Session I:

Richard Woodard (U Florida): *Perils of Analytic Continuation*

Shun-Pei Miao (Nat. Cheng Kung U): *Alternate Definitions of Loop Corrections to the Primordial Power Spectra*

Sang Pyo Kim (Kunsan Nat U): *Quantum Field Theory in Complex Plane and Particle Production*

Yuan K. Ha (Temple U): *Quantum Gravity as Statistical Mechanics of Spacetime*

Hing-Tong Cho (Tamkang U): *Stochastic gravity in conformally flat spacetimes*

Session III:

Sijie Gao (Beijing Normal U): *Entropy principle for self-gravitating fluid in static spacetimes*

Mu-In Park (IEU, Seoul): *The Black Membrane Solutions in IR-Modified Horava Gravity*

Hyung Won Lee (Inje U): *Perturbation in $f(R)$ gravity*

Inyong Cho (SeoulTech): *Tensor Perturbation in Eddington-inspired Born-Infeld Inflation*

Hyeong-Chan Kim (Korea Nat U of Transportation): *Physics at the surface of a star in Eddington-inspired Born-Infeld gravity*

Session V:

Qiu-he Peng (Nanjing U): *Query on Accelerating Expansion of the Universe*

Jong-Hyuk Yoon (Konkuk U): *The ADM Hamiltonian reduction in (2+2) formalism*

Gungwon Kang (Korea Inst. Sc. & Tech. Info.): *TBA*

Zhang-Yu Nie (Kunming U of Sc. & Tech.): *A tale of two condensates*

Hua-Bi Zeng (Bohai U): *A Thermal Quench Induces Spatial Inhomogeneities in a Holographic Superconductor*

Session VIII:

Sung-Won Kim (Ewha Womans U): *Hawking temperature of the wormhole in cosmological model*

Roh-Suan Tung (Nanyang Tech. U): *Junction Conditions for Alternative Gravity Theories*

Hong-Sheng Zhang (Shanghai Normal U): *Create Schwarzschild Spacetime*

Lixin Xu (Dalian U of Tech.): *TBA*

Session II (Student/Postdoc Presentations):

Spyros Sypsas (APCTP): *Non-Gaussianities from heavy sectors*

Shi-Pi (APCTP): *Equilateral Non-Gaussianity from Heavy Fields in Inflation*

Godfrey Leung (Nottingham U): *Universality Classes of Most General Single Field Inflation emerged from Scale-invariant Theories*

I-Chin Wang (Acad. Sinica): *Inflaton fluctuations in the presence of a cosmic string*

Maasaki Watanabe (Kyoto U): *An inflationary universe in Weyl-Cartan gauge theory of gravitation*

Session IV (Student/Postdoc Presentations):

Bin Wu (Nankai U): *Gravity-mediated holography in fluid dynamics*

Kei Yamada (Hirosaki U): *Quantum interferometry in Chern-Simons gravity*

Donghan Yeom (YITP): *Bias of cosmological observables via quantum cosmological hypotheses*

Ivan Dario Arraut Guerrero (Osaka U and KEK Theory Cen.): *On the Black Holes in the non-linear massive gravity theory*

Ying-Li Zhang (YITP): *Coleman-de Luccia instanton in dRGT massive gravity*

Session VI (Student/Postdoc Presentations):

Yuan Zhang (Beijing Normal U): *Multi-component decaying dark matter scenario*

Da Huang (Nat Tsinghua U, Taiwan): *Imprint of Multi-Component Dark Matter on AMS-02*

Yun Chen (Nat Tsinghua U, Taiwan): *Observational Constraints on the inverse power-law scalar field dark energy model*

Jakob Hansen (APCTP): *Numerical Implementations and Applications of Double-Null Formalisms*

Maria Naeem (COMSATS Inst. of Info. Tech.): *Neutrino Oscillation and CP Asymmetries*

Session VII (Student/Postdoc Presentations):

Miok Park (CQUeST Sogang U): *Smarr formula for Lifshitz Spacetime black Hole spacetimes*

Seung Hun Oh (Konkuk U): *Quasilocal quantities in GR from the constraints*

Yu-Huei Wu (Cen. for Math. & Theo. Phys., Nat Central U): *How can one observe gravitational angular momentum radiation from a dynamical source near null infinity?*

Wei Xu (Nankai U): *Gauss-Bonnet coupling constant as a free thermodynamical variable and the associated criticality*

Chun-Hung Chen (Tamkang U): *Quasi-Normal-Modes of Rarita-Schwinger Fields on Spherically Symmetric Black Holes*