

ICGAC-12

XIIth International Conference on Gravitation, Astrophysics and Cosmology

Peoples' Friendship University of Russia (PFUR),
Moscow, Russia, June 28-July 5, 2015

*organized by the Russian Gravitational Society, Institute for Gravitation and Cosmology, PFUR,
Center for Gravitation and Fundamental Metrology, VNIIMS and
Bogoliubov Laboratory of Theoretical Physics, Dubna
cosponsored by UMass Dartmouth, Phys. Dept. and Prof. Leung Mem. Fund and by
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Conference is devoted to 100 years of Einstein's General Theory of Relativity

ICGAC-12 is a part of the series of biennial conferences on Gravitation, Astrophysics and Cosmology which takes place in the Asia-Pacific region with the goal to promote cooperation among the member countries and within an international context, to promote high level studies on hot topics and to encourage young physicists on these fields. The first meeting was initiated by Prof. Yong Min Cho, Korea, one of the founders of the APCTP, in 1993.

The previous meetings were held in:

1. **Seoul**, Korea (1993) at Seoul National University
2. **Hsinchu**, Taiwan (1995) at National Tsing Hua University
3. **Tokyo**, Japan (1997) at The Institute for Cosmic Ray Research, Tokyo University
4. **Beijing**, China (1999) at Beijing Normal University
5. **Moscow**, Russia (2001) at The Institute of Gravitation and Cosmology, Peoples' Friendship University
6. **Seoul**, Korea (2003) at Ewha Women's University
7. **Jhongli**, Taiwan (2005) at National Central University
8. **Nara**, Japan (2007) at Nara Women's University
9. **Wuhan**, China (2009) at Huazhong University of Science and Technology
10. **Qui-Nhon**, Vietnam (2011) with assistance of Rencontre du Vietnam
11. **Almaty**, Kazakhstan (2013) at Al Farabi Kazakh National University

ICGAC-12 topics and moderators:

- Classical Gravity, GR Extensions – *A.B. Balakin, Yu.G. Ignatyev and Yu.S. Vladimirov*
- Classical and Quantum Cosmology – *A.Y. Kamenshchik, V.N. Lukash, Misao Sasaki and A.A. Starobinsky*
- Dark Matter and Dark Energy – *S.V. Chervon, K.-I. Maeda and S.D. Odintsov*
- Black Holes, Wormholes – *K.A. Bronnikov, Sung-Won Kim and S.V. Sushkov*
- Strings, Branes, Higher Spin Fields and Quantum Gravity – *I.L. Buchbinder, D.V. Gal'tsov, Rong-Gen Cai and Sang-Pyo Kim*
- Extra Dimensions and Variation of Constants – *V.D. Ivashchuk and V.N. Melnikov*
- Experimental Studies of Gravity, GW and Fundamental Physics Space Projects – *C. Laemmerzahl, Jun Luo, V.M. Mostepanenko and V.N. Rudenko*
- Relativistic Astrophysics – *G.S. Bisnovaty-Kogan, L.M. Chechin, and A. D. Dolgov*
- White Dwarfs, Neutron Stars and Gamma Ray Bursts – *H. Quevedo and R. Ruffini*

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For more information see: <http://rgs.vniims.ru/icga12.htm>