PREFACE

The 2011 Shanghai Asia-Pacific School and Workshop on Gravitation was held from February 10th to 14th 2011 at Shanghai Normal University, organized by the Shanghai Center for Astrophysics. It was a continuation of a series which has taken place in Tainan (2007), Taitung (2008, 2010) and Pohang (2009), with the next scheduled for Kyoto (2012). They are aimed at encouraging research collaboration, principally within the Asia-Pacific region, with an emphasis on allowing younger researchers to meet, learn and contribute. The format is two-part, first a winter school with invited lecturers, then a workshop with contributed talks.

There were about 70 delegates, ranging from senior professors to masters students, mostly from East Asia, but with a few based outside the region. There were 8×2 lectures by some well known researchers, across a wide range of subjects including black holes, cosmology, geometry, alternative theories, quantum gravity, numerical relativity and radiation reaction. There were about 30 workshop talks, covering an even wider range of related topics.

The organizers would like to thank all those who contributed, especially to these proceedings, which was optional. Indeed this is the first time that formal proceedings have been published in the series. We also thank various funding agencies, as listed on the conference poster. We also hope that you will enjoy some photos of speakers giving their talks, with apologies to those missed.

Sean Hayward (for LOC) and Xin-Zhou Li (for IAC)
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