Astronomical and Astrophysical Transactions (*AApTr*), 2017, Vol. 30, Issue 1, pp. 1–2,
ISSN 1055-6796, Photocopying permitted by license only, ©Cambridge Scientific Publishers

Foreword

This issue includes articles based on some plenary reports made during the 5th International Gamow Conference and the 15th Gamow conference-school.

The Conference was devoted to a number of remarkable events:

- the 111 year Jubilee of George Gamow, one of the great physicists and cosmologists of the 20th century;
- the 150th anniversary of the Odessa I.I. Mechnikov National University and the Department of Astronomy;
- the 100th and 110th anniversaries of the Einstein's general and special relativity;
- the 50th anniversary of the discovery of cosmic microwave background (CMB) predicted by Gamow.

The number 111 (three units!) represents the three major fundamental Gamow's achievements: alpha decay, the hot model of the universe and the prediction of CMB and deciphering of the genetic code.

With 120 experts from 13 countries (Ukraine, Russia, Azerbaijan, Georgia, France, Italy, Switzerland, Poland, Egypt, Kazakhstan, Czech Republic, Belarus, USA) delivering 20 plenary talks, 113 contributed talks and 21 posters, both the Conference and the School were very successful. The main topics of the Conference were astrophysics, cosmology, gravity, high energy physics, radioastronomy, solar activity, solar system and astrobiology.

Organizing Institutions:
Odessa I.I. Mechnikov National University (Astronomical Observatory and Astronomy Department), Radio-Astronomical Institute of the NAS of Ukraine, Odessa Astronomical Society.

The conference was held with the support of Ukrainian Astronomical Association, Euroasian Astronomical Society, Department of Physics and Astronomy of the NAS of Ukraine, South Scientific Center of the NAS of Ukraine.

Vice-Chair SOC
A.I. Zhuk

Vice-Chair SOC
M.I. Ryabov



©2017 Astronomical and Astrophysical Transactions (AApTr), Vol. 30, Issue 1