



**Institute of Astronomy,
Russian Academy of Sciences**



Russian Science Foundation

**INTERNATIONAL SCHOOL FOR STUDENTS AND YOUNG
SCIENTISTS
"EXOPLANETS IN THE BINARY STELLAR SYSTEMS"**

Institute of Astronomy, Russian Academy of Sciences
Pyatnitskaya st., 48, Moscow, Russia

May 30 - June 1, 2016

First announcement

We are pleased to announce that the International School for students and young scientists "Exoplanets in the Binary Stellar Systems" will be held in Moscow on May 30 - June 01, 2015. Working languages of the school are **English** and **Russian**.

The school is financially supported by the Russian Science Foundation, Grant №15-12-30038.

The school is organized by

- Institute of Astronomy, Russian Academy of Sciences
- Russian Science Foundation

Organizing Committee

- Shematovich V.I. (Chair, Institute of Astronomy)
- Bisikalo D.V. (Institute of Astronomy)
- Kaygorodov P.V. (Institute of Astronomy)
- Fateeva A.M. (Scientific secretary, Institute of Astronomy)
- Arakcheev A.S. (Institute of Astronomy)
- Cherenkov A.A. (Institute of Astronomy)

Preliminary Program

The school is organized as a course of invited lectures given by leading Russian and foreign scientists working in exoplanet sciences, astrophysics of binary stellar systems, kinetic theory of gases, computational fluid dynamics.

- **Luca Fossati** (Space Research Institute AAS, Austria)
A comprehensive overview of results obtained from multi-wavelength exoplanet transit observations
- **Helmut Lammer** (Space Research Institute AAS, Austria)
Exoplanets and their systems: a general view
- **Herbert Lichtenegger** (Space Research Institute AAS, Austria)
Non-thermal escape from planetary atmospheres
- **Kristina Kislyakova** (Space Research Institute AAS, Austria)
Stellar wind interaction with exoplanets
- **Elke Pilat-Lohinger** (Department of Astrophysics, University of Vienna, Austria)
Planets in binary stars
- **Dmitry V. Bisikalo** (Institute of Astronomy RAS, Russia)
MHD-modeling of the flows in binaries and planets neighborhoods
- **Andrey G. Zhilkin** (Institute of Astronomy RAS, Russia)
Numerical simulation of close binary systems with magnetic field
- **Pavel V. Kaygorodov** (Institute of Astronomy RAS, Russia)
Shock waves in protoplanetary disks of binaries
- **Eugeny P. Kurbatov** (Institute of Astronomy RAS, Russia)
Turbulence in accretion flows
- **Valery I. Shematovich** (Institute of Astronomy RAS, Russia)
Dissipation of the planetary atmospheres in the Solar and extrasolar planetary systems
- **Ildar F. Shaikislamov** (Institute of Laser Physics SB RAS, Russia)
MHD simulation of plasma environment of Hot Jupiter HD 209458b
- **Alexander Cherenkov** (Institute of Astronomy RAS, Russia)
The Influence of Coronal Mass Ejections on the Gas Dynamics of the Exoplanet Atmosphere

- **Igor I. Alexeev and Elena S. Belenkaya** (Skobeltsyn Institute of Nuclear Physics, Lomonosov Moscow State University)
Role of the equatorial magnetodisc in the exoplanet magnetosphere dynamics
- **Yaroslav N. Pavluchenkov** (Institute of Astronomy, RAS, Moscow)
Protoplanetary disks: observations and basic models
- **Igor S. Savanov** (Institute of Astronomy, RAS, Moscow)
Stellar superflares

Contact information

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