

## Enquiry Form

for participation in the Third Open International Workshop “Extremal and Record-Breaking flights of the RPAS (UAS) and the Aircraft with electrical power plant”

Organization \_\_\_\_\_

\_\_\_\_\_

Scientific topic \_\_\_\_\_

\_\_\_\_\_

Title of the report \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

First name, surname \_\_\_\_\_

\_\_\_\_\_

Mailing address (with postal code) \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Tel \_\_\_\_\_

E-mail \_\_\_\_\_

(Full name, signature) \_\_\_\_\_

\_\_\_\_\_

## Reports submission

The materials of the investigations of scientists, students and postgraduates on the scientific topics listed can be submitted on the workshop. Abstracts written in English must be without pictures and their lengths must be less than 500 words.

Organizing committee reserves the right to decline the materials (including the ones not connected with the scientific topics of the workshop) without any commentaries.

To participate in the workshop you need to send the following documents to the organizing committee via website of the workshop <http://erba.falt.ru> or by mail or fax, or by e-mail: [erba@phystech.edu](mailto:erba@phystech.edu)

**before APRIL 1, 2016:**

1. Enquiry form;
2. Abstract of the report (for presenters).

For Russian participants it's also necessary to submit permission for publication in hard copy, fax or electronic form **before MAY 15, 2016.**

## Workshop organizing committee address:

Moscow Institute of Physics and Technology Department of Aeromechanics and Flight Engineering

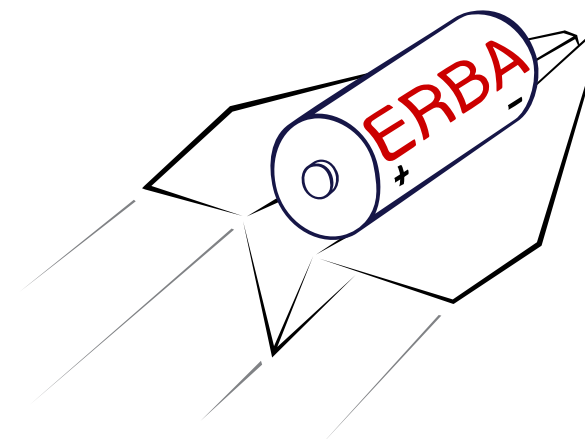
16, Gagarina Str., Zhukovsky, Russia, 140180

TEL. +79263010985; FAX +7(495)556-84-17;

## Workshop secretary:

Volkova Anastasia

e-mail: [erba@phystech.edu](mailto:erba@phystech.edu)



Third International Scientific Workshop  
“Extremal and Record-Breaking flights of the RPAS (UAS) and the Aircraft with electrical power plant”

# ERBA 2016



Zhukovsky, 5 – 8 July 2016  
<http://erba.falt.ru>

## Information letter

The Department of Aeromechanics and Flight Engineering (DAFE) of Moscow Institute of Physics and Technology (MIPT) is holding the Third open **International Workshop “Extremal and Record-Breaking flights of the remotely piloted aircraft systems (RPAS (UAS)) and the Aircraft with electrical power plant: ERBA 2016”** on the **5 – 8 of July 2016**.

Workshop will be held under support of Central Aerohydrodynamic Institute named after professor N.E.Zhukovsky (TsAGI) and Russian Foundation for Basic Research (RFBR).

## Program committee

**Chernyshev Sergey** – Dr.-Prof., General Director, TsAGI, Corresponding Member of RAS, chairman

**Vyshinsky Victor** – Dr.-Prof., DAFE MIPT

**Nonami Kenzo** – Dr.-Prof., Chiba University, Japan

**Jean-Marc Moschetta** – Dr.-Prof. of Institut Supérieur de l’Aéronautique et de l’Espace ISAE, Toulouse, France

**Golubev Vladimir** – Dr.-Prof., Embry-Riddle Aeronautical University, ERAU, Florida

**Ahmed El-Sayed Helal** – Dr.-Prof., Zagazig University, Egypt

**Simon Watkins** – Dr.-Prof., RMIT, Melbourne, Australia

**Wolkov Andrey** – Dr.-Prof., Head of the Division, TsAGI

**Sokolov Evgeniy** – Dr.-Prof., SPbSPU

**Shustov Andrey** – Dr.-Associate Prof., Head of the Division, TsAGI

**Brusov Vladimir** – Dr.-Prof., Moscow Aviation Institute (MAI)

## Local Organizing committee:

**Serokhvostov Sergey** – Dr.-Associate Prof., executive chairman

**Volkova Anastasia** – secretary

## Workshop scientific topics

- Flight dynamics and aerodynamic aspects of the flight of the RPAS and the aircraft with electrical power plant
- Unsteady aerodynamics and flight dynamics of the RPAS
- Design of the RPAS and the aircraft with electrical power plant
- Certification of RPAS & RPAS Pilots & Operators
- RPAS safety in the non-segregated airspace
- Remotely piloted and small aircraft vehicles in orographic turbulence conditions
- Extremal and record-breaking flights
- Theory and practice of the “unconventional” flying vehicles (flapping wing, balloons, hovercraft, convertiplanes etc.)
- Avionics, electronics and power sources for the RPAS
- Small aircraft vehicles: CFD or Wind Tunnel tests?
- Navigation and aircraft motion control
- Involving young people into the aerospace science

Round tables for some topics can also be organized.

## Official language: English

Competition and demonstration flights of the RPAS and the aircraft with electrical power plant will be held during the Workshop both in the closed riding hall and in the open atmosphere. Also static exposition of the RPAS will be organized.

During the workshop the excursion to the aviation museum is planned.

The invited lecture of “SuperJet” test pilot is also expected.

## Important dates

**FEB 15, 2016** – Application for participation and submission of abstracts;

**APR 1, 2016** – Deadline for abstracts’ submission;

**APR 15, 2016** – Notification of acceptance

**MAY 15, 2016** – For Russian participants: Deadline for submission of the permission for publication

**JUN 1, 2016** – Deadline for the conference articles submission

**JUL 5, 2016** – Opening of the workshop

## Registration fee

(Registration before the payment is required!!! Payment without the registration will be considered as the sponsorship)

**Early payment (before JUNE 1, 2016):**

Participation with presentation: 200\$

Participation without presentation: 300\$

Student with presentation: 100\$

For participants of competitions: 100\$

**Payment after JUNE 1, 2016:**

+50\$ to the sum mentioned above

**Special discount for the Russian participants from ERBA sponsors:**

For the early payment the conference fee is:

Participation with presentation: 6000 Roubles

Student with presentation: 1000 Roubles

MIPT students with presentation: free of charge

Registration fee covers lunches, coffee-breaks, official dinner(s) and “conference kit”.

## Sponsors

Sponsors are welcome!

For details please visit our website

<http://erba.falt.ru>

e-mail: [erba@phystech.edu](mailto:erba@phystech.edu)

For Russian participants: workshop can be considered as the professional development. Special certificates will be given to the participants. For details please visit our websites: <http://erba.falt.ru>