

## DEAR COLLEAGUES!

We invite you to take part in the VIII International Scientific Conference «**Problems and Prospects of Aviation, Land Transport and Energetics (ANTE-2015)**» which will be held in Kazan, Russia, from 19 to 21 of October 2015.

The participants are teachers of HEI's, researchers, specialists from enterprises. Form of participation is "in-person".

On the conference will be reviewed and discussed current issues and problems of development for aerospace technology, power engineering, instrumentation, information, info-communication, radio-electronic technologies, and lean manufacturing.

## ADDITIONAL EVENTS

- Competitive selection of innovative projects for participation in the Program «U.M.N.I.K.» ([www.fasie.ru](http://www.fasie.ru)).
- Master-classes on the majors.
- Sightseeing tour on the city of Kazan, visit to museums.

## TERMS OF PARTICIPATION

To participate in the conference the following needs to be done before **1<sup>st</sup> of May 2015**:

- To send to the address of steering committee an application form, a conference paper to be published and accompanying documents;
- To pay a registration fee.

A registration fee in amount of **1000 Rubles (incl. VAT)** includes printing of conference program, informational and invitation letters, conference materials in electronic form (on CD).

**ATTENTION!** The cost for a **hard copy of collected works** (one volume) is **1000 Rubles** – transfer to the person, **1200 Rubles** – when sending by Russian mail (*is paid additionally to the main registration fee!*).

Fee payment is made by bank transfer. Contract forms are available on the website <http://www.kai.ru/science/konf/>.

## SECTIONS

### 1. Aeromechanics, Design and Strength of Aviation Constructions.

Chairman: Prof. Vladimir G. Gainutdinov, DSc in Engineering Sciences, Head of Department of Design and Construction of Flying Vehicles, KNRTU-KAI.

Co-Chairman: Dr. Azat M. Girfanov, DSc in Engineering Sciences, KNRTU-KAI.

### 2. Prospective Materials and Structure-Forming Technologies.

Chairman: Assoc. Prof. Ruslan M. Yanbaev, PhD in Engineering Sciences, Head of Department of Technologies of Machine-Building Manufacturing, KNRTU-KAI.

Co-Chairmen: Prof. Engel. R. Galimov, DSc in Engineering Sciences, Head of Department of Material Sciences, Welding and Manufacturing Safety, KNRTU-KAI; Prof. Valentin I. Khaliulin, DSc in Engineering Sciences, Head of Department of Manufacturing of Flying Vehicles, KNRTU-KAI.

### 3. Theory of Mechanisms and Machines, Mechatronics and Robotics.

Chairman: Professor Munir G. Yarullin, DSc in Engineering Sciences, Head of Department of Machine Science and Engineering Graphics, KNRTU-KAI.

### 4. Avionics, Electrical Equipment and Control Systems.

Chairman: Prof. Vladimir M. Soldatkin, DSc in Engineering Sciences, Head of Department of Instrument-Making and Information-Measurement Systems, KNRTU-KAI.

Co-Chairmen: Prof. Andrey V. Ferenets, PhD in Engineering Sciences, Head of Department of Electrical Equipment, KNRTU-KAI.

### 5. Heat Engineering, Heat Engines and Power Installations.

Chairman: Prof. Bilal G. Mingazov, DSc in Engineering Science, Head of Department of Jet Engines and Power Installations, KNRTU-KAI.

Co-Chairman: Professor Andrey V. Shiukin, DSc in Engineering Sciences, Department of Heat Engineering and Power Engineering, KNRTU-KAI.

### 6. Radio Electronic, Info Communication, Instrumental Systems and Complexes.

Chairman: Prof. Adel. F. Nadeev, DSc in Physics and Mathematics, Director of Institute of Radio Electronics and Telecommunications, KNRTU-KAI.

### 7. Organization of High-Tech Machine-Building Production and Lean Manufacturing.

Chairman: Prof. Gaziz F. Mingaleev, DSc in Economics, Head of Department of Economics and Management on Enterprises, KNRTU-KAI.

### 8. Aerospace Technologies and Technosphere Safety

Chairman: Prof. Alexander V. Demin, DSc in Engineering Sciences, Department of Automotive Engines and Service, KNRTU-KAI.

Co-Chairmen: Prof. Elena V. Muravieva, DSc in Pedagogics, Head of Department of Industrial and Ecological Safety, KNRTU-KAI; Prof. Yulia A. Tunakova, DSc in Chemistry, Head of Department of General Chemistry and Ecology, KNRTU-KAI.

As an outcome of the conference is planned to publish the *collection of papers* in electronic form. This collection of works will be assigned codes such as ISBN, UDC and BBK. Papers will be placed in the system of **Russian Index of Scientific Citation (RISC)** of Scientific Electronic Library.

On the conference should be presented the results of original researches and solutions for problematic issues.

The steering committee reserves the right to reject materials that do not meet the conference topics and / or formatted in violation of these requirements, and submitted after the deadline for sending of materials (without notice to the authors).

**Materials are published in the conference's collection in author's redaction.**

**The steering committee does not make text editing.**

Each author can send max. *two* papers.

Number of authors in each paper cannot be more than three.

## PROVIDING OF MATERIALS

An application form and materials for participation in the conference are received by e-mail before **1<sup>st</sup> of May 2015**.

Materials should be sent in archive-file RAR or ZIP (a name of e-file should be named as a surname of first author), and include the following:

- *paper(s) in volume not more than 6 pages*;
- a conclusion of experts about publishing permission in public media \*;
- an act of expertise \*;
- documents confirming a payment of registration fee (scanned versions of the receipt on payment and the agreement signed from side of participant);
- an agreement about placement of publication in RISC.

\**Original conclusions of experts about publishing permission in public media (1 copy) and act of expertise (1 copy) with seal on the approving signature must be presented to the steering committee.*

## AN EXAMPLE OF PAPER FORMATTING

UDC 621.694.31

### INVESTIGATION OF THE EJECTOR WITH A CURVED INLET PART

*Khaliulin R., Sychenkov V., Panchenko V.*  
(Kazan National Research Technical  
University named after A.N. Tupolev, Kazan)

Abstract: The results of numerical and experimental studies of the ejector with a curved inlet part presents. A feature of these studies is that the ejector, the pressure of the passive stream and the outlet pressure of the ejector is equal to atmospheric pressure.

Below is placed the text of paper which contains short summary of the objective, used methods, and results of researches (and if it is possible: an analysis of achieved results and conclusions).

E-materials must be compatible with file editor *MS Word 2003*, font is *Times New Roman* of 14 pt, paragraph indentation is 1.25 cm; single feed pitch, full justification, paper sheet format is A4, all page fields are 2.0 cm.

Formulas in the text are prepared in *Microsoft Equation*.

Schemes and Tables must have respective headings which should be placed over Schemes or Tables. Each heading must begin with word "Table" or "Scheme", and its number in order (if necessary) and aligned on the right edge. On the next line is printed name of table or scheme, and aligned on the center of page.

Pictures, schemes, charts (not more than 2 objects on the page!) must be clear, in black-white mode, in gradation of grey. Each picture must have caption (underneath the picture) which explains all elements of the picture. A caption cannot be of any part of the picture. Photos are not accepted.

List of references must be prepared according to the State Standard GOST No. 7.1-2003, and placed after text of paper, and separated from it by one line gap. Bibliography must contain not more than 4 references. The references in the text should be given as the numbers in the square brackets, e.g. [1], [2], Etc.

#### **Examples of Bibliographic Records:**

1. *Evdokimov Yu.K.* Distributed measurement environments and continuum-measurements: principles, topology, algorithms// Non-Linear World. 2007. V.5. No. 10-11. Pp. 639-656.

2. *Tayfun Cimen.* State-Dependent Riccati Equation (SDRE) Control: A Survey // Proc. of the 17<sup>th</sup> World Congress of the International Federation of Automatic Control, July 6–11, 2008. Seoul, Korea, 2008.

#### **BANK DETAILS FOR REGISTRATION FEE PAYMENT**

Recipient is UFK on RT (KNRTU-KAI, Account No. 20116X02750, Note: **X** is the Latin letter)  
ITN (VAT number) No. 1654003114  
CRR No. 165501001  
Operating Account No. 40501810292052000002  
In the unit of National Bank of the Tatarstan Republic  
RCBIC No. 049205001, OKTMO No. 92701000  
BCC No. 000000000000000000130

Payment destination: for the services on the event: Conference "ANTE-2015", Name and Surname of participant.

All current information on the conference "ANTE-2015" will be available on the website <http://www.kai.ru/science/konf/>

### **Application Form for Participation in the Conference “ANTE-2015”**

<b>Surname, Name (Names) of Participant</b> (in full)	
<b>Academic Degree, Academic Rank</b> (students and PhD-students specify year/course of study)	
<b>Organization</b> (in full)	
<b>Position</b>	
<b>Postal Address</b>	
<b>Contact Phones</b> (working / home / mob. with codes of country and city)	
<b>E-mail</b>	
<b>No. and Name of Section</b> (according to the Call for papers)	
<b>Name of Paper</b>	
<b>Surname, Name (s) of Author</b> (in full), and Co-Author(s)	
<b>Form of Participation in the Conference</b> (please leave required)	– Presentation <i>with paper and report</i> ; – <i>Poster (Stand)</i> presentation; – <i>Without</i> presentation; – <i>Distant</i> participation.
<b>Participation in the competitive selection on the Program «U.M.N.I.K.»</b> (Yes/ No)	
<b>Sum, No. and Date of Document about Payment of Registration Fee</b>	
<b>Payment for a Hard copy of Collection of Works</b>	

#### **Address of Steering Committee**

10, K.Marx St., Kazan 420111, Russian Federation  
Kazan National Research Technical University  
named after A.N.Tupolev-KAI (KNRTU-KAI)  
Academic Secretary: Assoc. Prof. Alexey V. Shelchikov  
Executive Secretary: Assoc. Prof. Mansur F. Safargaliev  
Tel. / Fax: (843) 238-55-50  
E-mail: [ante-2015@mail.ru](mailto:ante-2015@mail.ru)

MINISTRY OF EDUCATION AND SCIENCE  
OF THE RUSSIAN FEDERATION  
UNITED AIRCRAFT CORPORATION  
ACADEMY OF SCIENCE OF THE TATARSTAN REPUBLIC  
KAZAN NATIONAL RESEARCH TECHNICAL UNIVERSITY  
NAMED AFTER A.N.TUPOLEV-KAI (KNRTU-KAI)



#### **The VIII International Scientific Conference**

**«PROBLEMS AND PROSPECTS  
OF AVIATION, LAND TRANSPORT  
AND ENERGETICS  
(ANTE-2015)»**

dedicated to the 70<sup>th</sup> anniversary of the Victory  
in the Great Patriotic War

October 19<sup>th</sup>-21<sup>th</sup>, 2015  
KAZAN