From Victor Kopiev (RFP Russian Federation) covering:-

- 1st Russian Acoustic Conference, Moscow, 6-10 October 2014
- CEAA14, Third International Workshop “Computational Experiment in Aeroacoustics”, Svetlogorsk, Russia, 24-27 September, 2014

1st Russian Acoustic Conference

The 1st Russian Acoustic Conference was held in Moscow in conjunction with the session of the Russian Acoustical Society, 6-10 October 2014.

The conference was organised with direct support of the Scientific Council of the Russian Academy of Science on Acoustics, the General Physics Institute of the Russian Academy of Sciences, Moscow State University, the Applied Physics Institute of the Russian Academy of Sciences, the Central Aerohydrodynamics Institute, Gubkin Russian State University of Oil and Gas, Oceanpribor Research and Production Company, the Research Institute of Applied Acoustics; and with support of the Moscow Government and the Russian section of the IEEE.

In total, 191 delegates, including the leading research organisations and universities from Russia and the CIS countries, participated in the conference.

Sessions were organised on the following themes:

- ocean acoustics,
- speech acoustics,
- acoustical problems of applied linguistics,
- acoustical measurements and standardisation,
- acoustical effects on fluids in porous media,
- acousto-optics,
- acousto-electronics,
- architectural and building acoustics,
- acoustics of atmosphere,
- aeroacoustics,
- biomedical applications of acoustical methods,
- geoacoustics,
- musical acoustics,
- nonlinear acoustics,
- physical acoustics,
- propagation and diffraction of waves,
- ultrasonic technologies,
- physiological and bioacoustics,
- noise and vibrations.
Invited lecturers at the conference were:-

- **Pustovoit V.I.** (Scientific and Technological Center of Unique Instrumentation of Russian Academy of Sciences) *Acousto-optical spectrometry: capabilities and perspectives,*
- **Zosimov V.V.** (Institute of Applied Acoustics) *Sixtyfive years of the Institute of Applied Acoustics. History and perspective,*
- **Esipov I.B.** (Gubkin RSU of Oil and Gas / Acoustic Institute) *Parametric array – a new instrument for hydrophysical research for long ranges,*
- **Bibikov N.G.** (Acoustic Institute) *Hearing aid system as a time analyzer,*
- **Nikitov S.A.** (Institute of Radio-engineering and Electronics of Russian Academy of Sciences) *Boundary states of phonons and magnons in magnetic microstructures,*
- **Rudenko O.V.** (Moscow State University, Department of physics) *Strong nonlinear effects in acoustics,*
- **Kopiev V.F.** (Central Aerohydrodynamic Institute) *Modern problems in aeroacoustics,*
- **Kulichkov S.N., Kallistratova M.A., Chunchuzov I.P.** (Institute of Atmospheric Physics of Russian Academy of Sciences) *Acoustic sounding of the atmosphere,*
- **Nikolaev A.V.** (Institute of Physics of the Earth of Russian Academy of Sciences) *Geological and physical foundations of geoacoustics.*

The authors of the most significant presentations will be able to publish their research results in a journal “Herald of the Russian Academy of Sciences”.

The poster session comprised 30 participants.

During the conference, an exhibition was held including such as the following companies:-

- “PKF Tsifrovye pribory”, which specialises in physical measurements,
- “OKTAVA +” and “Algoritm – Akustika”, which specialise in noise and vibration,
- “MELFIZ – Ultrazvuk”, which produces special ultrasonic equipment for welding of plastics and synthetic materials.


The full papers will be presented in an electronic journal “Science Journal of the Physical Department of MSU” ([http://uzmu.phys.msu.ru/](http://uzmu.phys.msu.ru/)).
The Conference was supported by

Session Aeroacoustics, 08.10.2014


2. Zapryagaev V.I., Gubanov D.A., Kiselev N.P. *Effect of intensity of microjets issuing near the nozzle edge on acoustic radiation of supersonic jet.*


4. Ostrikov N.N., Denisov S.L. *Calculation of aircraft power-plant screening by airframe.*

5. Zamfort B.S. *Effect of stringent requirement for allowed aircraft noise levels on the change of aircraft engine design.*


7. Belyaev I.V. *Sound field of rotating source in a jet flow.*

8. Sobolev A.F. *Determination of impedance of liner samples at the facility “Interferometer with flow”*

9. Bulbovich R.V., Pavlogradsky V.V., Palchikovsky V.V. *Accounting for the flow velocity profile in determination of liner impedance at the facility “Channel with flow”*

10. Ipatov M.S., Ostroumov M.N., Sobolev A.F. *Determination of liner samples’ impedance with an interferometer at the normal incidence of sound waves for a widened frequency range.*


Third International Workshop “Computational Experiment in Aeroacoustics”
24-27 September 2014, Svetlogorsk, Kaliningrad region, Russia

**111 participants** including **93 Russian participants** and **18 participants from abroad**

Russian participants from **8 Russian regions**: Moscow, Moscow region (Zhukovsky, Korolev), St. Petersburg, Kaliningrad, Perm, Nizhny Novgorod, Novosibirsk, Rybinsk, Chelyabinsk region (Miass)

International status: participants from **8 countries**: Russia (93), France (6), UK (3), Germany (1), USA (3), Spain (2), China (2), Latvia (1).

Among the co-authors there were also people from Canada and Italy.

The event consisted of **two meetings**, which ran conjointly during 24-27 September:
- the Fifth Russian conference “Computational Experiment in Aeroacoustics”
- the Third International Workshop “Computational Experiment in Aeroacoustics”

**Invited speakers:**
- Philip J. Morris, Penn State University, University Park, USA
- Blanche Demaret, Onera, Business Development Directorate, Palaiseau, France
- Xin Zhang, Airbus Noise Technology Centre, University of Southampton, UK
- Oleg Rudenko, Lomonosov Moscow State University, Moscow, Russia
- Fabien Wlassow, Acoustic Department – EPA6, Airbus, Toulouse, France
- Oleg Vasilyev, University of Colorado, Boulder, USA

**Sponsors:**
- Russian Helicopters
- Sukhoi Aviation Holding Company
- Central Aerohydrodynamics Institute (TsAGI)
- Russian Foundation of Basic Research (Grant No.14-01-20210)
- Federal Agency for Scientific Organizations
- Russian Academy of Sciences
- Central Institute of Aviation Motors
- X-Noise

**Organisations of participants who presented talks at the Workshop**

**Foreign**
- University of Liverpool, Liverpool, UK
- Embry-Riddle Aeronautical University, Daytona Beach, USA
Laboratoire de Mécanique de Fluides et d’Acoustique, Polytech-Lyon/Université Claude Bernard Lyon 1/CNRS, Villeurbanne, France
ONERA, The French Aerospace Lab, Châtillon, France
Institute of Fluid Dynamics and Engineering Acoustics, Technische Universität Berlin, Germany
Heat and Mass Transfer Technological Center, Polytechnic University of Catalonia, Terrassa, Spain
School of Engineering and Materials Science, Queen Mary University of London, London, UK
School of Jet Propulsion, Beijing, China
MECAS ESI s.r.o., France

Russian
Central Aerohydrodynamics Institute (TsAGI), Zhukovsky, Russia
Khristianovich Institute of Theoretical and Applied Mathematics SB RAS, Novosibirsk, Russia
Novosibirsk State University, Novosibirsk, Russia
Keldysh Institute of Applied Mathematics RAS, Moscow, Russia
P.I. Baranov Central Institute of Aviation Motors, Moscow, Russia
“Kamov”, Lubertsy, Russia
“Russian Helicopters”, Moscow, Russia
MIL Moscow Helicopter Plant, Russia
Lavrentyev Institute of Hydrodynamics SB RAS, Novosibirsk, Russia
Lomonosov Moscow State University, Moscow, Russia
“Aviadvigatel”, Perm, Russia
Perm State National Research University, Perm, Russia
St.-Petersburg State Polytechnic University, St.-Petersburg, Russia
New Technologies and Services (NTS), St.-Petersburg, Russia
Moscow Institute of Physics and Technology, Moscow, Russia

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