



**VIII Russian Research to Practice Conference
with International Participation
'PROTECTION AGAINST INCREASED NOISE AND VIBRATION'**

**23-25 March, 2021 in St. Petersburg
Baltic State Technical University 'VOENMEH' named after D.F. Ustinov**

Supported by

Government of St. Petersburg
Committee on Science and Higher Education



Russian Academy of Natural Sciences



Russian Acoustical Society



Acoustic Design Institute



Conducted by

**VIII Russian Research to Practice Conference
with International Participation
'PROTECTION AGAINST INCREASED NOISE AND VIBRATION'
in online format
noise-conf.com**

Conference President: *Ivanov Nikolay Igorevich* - Doctor of Technical Sciences, Professor, Honored Scientist of the Russian Federation, Head of the Department of Ecology and Industrial Safety of Baltic State Technical University 'VOENMEH' named after D.F. Ustinov, Honored Scientist of the Russian Federation

Chairman of the organizing committee: *Shashurin Alexander Evgenievich* - Doctor of Technical Sciences, Dean of the Faculty of Weapons and Weapon Systems, associate professor of the department of Ecology and Industrial Safety of Baltic State Technical University 'VOENMEH' named after D.F. Ustinov

Deputy Chairman of the organizing committee: *Vasilyeva Victoria Konstantinovna* - Assistant of the Department of Ecology and Industrial Safety of Baltic State Technical University 'VOENMEH' named after D.F. Ustinov

Preliminary Program of the Conference

The conference program includes plenary and breakout presentations and online discussions on the topics of the presentations (first and second days of the conference). Also, a training workshop and a competition for young scientists will be held (third day of the conference).

Preliminary Conference Schedule:

1 st day	Plenary session
2 nd day	Sectional reports
3 rd day	Training Seminar and Competition for young scientists
	Conference Conclusions

Scientific program:

The plenary and breakout presentations will address ways to solve fundamental scientific and engineering problems in vibroacoustics, in particular:

- processes of sound and vibration generation and transmission in complex engineering systems and structures;
- physical nature of noise generation of mechanical, aerodynamic and hydrodynamic noise sources;
- processes of noise and vibration attenuation using resonance techniques;
- physical nature of noise attenuation by the main noise and vibration reduction systems, including noise-reducing mufflers, acoustic (noise) barriers, volumetric sound absorbers, three-dimensional sound-insulating devices, etc.;
- study of the nature and character of diffuse and quasi-diffuse sound fields formed in closed and semi-closed volumes;
- scientific basis for predicting vibroacoustic performance of the machines, plants and units;
- the scientific basis for developing noise mitigation measures using information modeling techniques;
- scientific basis for creating predictive maps of urban noise;
- development of analytical methods for assessing the behavior of sound and vibration fields, etc.

Those who wish to take part in the conference and publish in the journal AKUSTIKA (Scopus) should write to Anna Nikitenko, secretary of the scientific committee (nikitenko_aa@voenmeh.ru).

The detailed program of the conference will be formed and sent to the participants after the receipt of applications and reports.

Speeches of the speakers of the plenary and breakout sessions are planned to be held at the Baltic State Technical University 'VOENMEH' named after D.F. Ustinov, 1, Krasnoarmeyskaya st., 1, St. Petersburg, in the online format,

The link to the ONLINE platform will be indicated on the Conference website noise-conf.com

Forms and conditions of participation in the conference:

Conference language: *Russian, English* (first day)

Participation in the conference is allowed in the following forms:

- Online participation in the conference (including plenary and breakout sessions and a training workshop) as a listener;
- Personal participation in the online conference (including plenary and breakout sessions, as well as a training workshop) as a speaker;

By registering for the conference, a participant will have the opportunity to:

- Attend all performances in person;
- Watch online broadcasts;
- Asking questions to speakers;
- Attend training seminars;
- Publish your papers in the Proceedings of the conference;
- Receive video presentations of the speeches.

We will be glad to see you among the participants of the Conference!

CONTACTS

Official conference service agent

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Conference Organizing Committee

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after D.F. Ustinov

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Department "Ecology and industrial safety"

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