Scientific Journal

Vol. 8 No. 3

The founder

Limited liability company 'Acoustic Design Institute' (LLC 'ADI') in cooperation with Baltic State Technical University 'VOENMEH' named after D. F. Ustinov

The Online Scientific Journal 'Noise Theory and Practice'

has been published since 2015. The founder of the journal is Nikolay Igorevich Ivanov, Doctor of Engineering Sciences, Professor of the department of Ecology and Industrial Safety of the Baltic State Technical University 'VOENMEH' named after D. F. Ustinov, the founder of the transport acoustics in Russia.

'Noise Theory and Practice' is devoted to the fundamental problems in the field of vibroacoustics and accepts papers in the following areas:

- 29.00.00 Physics
- 29.37.00 Acoustics
- 43.00.00 General and complex issues of natural and exact sciences- 87.00.00 Environmental protection.

Human ecology.

All articles submitted to the editorial office are subject to mandatory review. The journal is an open network resource and published four times a year.

Location address of the Editorial office

Bldg. 7'A', 138 Obvodny Canal emb., office 11-N, room 2-2 +7 (812) 495-77-97 www.noisetp.com e-mail: secretary@noisetp.com **Executive Secretary** Khrapko Natalya

Journal is registered in Federal service for supervision of communications, information technology, and mass media

The certificate of registration

ЭЛ № ФС 77-74057

Contents

Kirpichnikov V.Yu., Petrov A.A., Oleinikov A.Yu.

RUS

Investigations of the effectiveness of resonant plate (band) vibration dampers

pp. 7-15

Shabarova A.V., Butorina M.V., Kuklin D.A.

Comparison of methods for calculating the propagation of railway transport noise in various types of building

pp. 16-33

Vasilyev V.A.

RUS

RUS

The problem of choosing the acoustic center of the traffic flow

pp. 34-42

Nabokov A.E., Yaitskov I.A., Shamshura S.A. RUS

Calculation of the oscillation speeds of the cutting node of slot-milling machines

pp. 43-51

Vasilyeva V.K.

RUS

Theoretical evaluation of the spectra of the airborne noise component on the example of AS-1A railcar and ASG-30P handcar

pp. 52-60