New techniques and methods for noise and vibration measuring, assessing and reducing

Edited by: Dariusz Pleban

Digital Monograph

The monograph "New techniques and methods of noise and vibration measuring, assessing and reducing" contains valuable material with a wide range of applications in the generally understood area of both noise and mechanical vibration reduction. The particular attention was meticulously paid to the impact of noise and vibration on the human body. This in itself stands clearly in line with the European Union's activity in reducing environmental pollution by noise and vibrations.

Professor Eugeniusz Kozaczka, BEng. PhD. DSc, Corresponding Member of the Polish Academy of Sciences

Warszawa 2022



First edition published in 2022 By Central Institute for Labour Protection – National Research Institute Czerniakowska 16 st., Warsaw, Poland © Central Institute for Labour Protection – National Research Institute

Reasonable efforts have been made to publish reliable data and information, but the authors and publisher cannot assume responsibility for the validity of all materials or the consequences of their use. The authors and publisher have attempted to trace copyright holders of all material reproduced in this publication and apologize to copyright holders should permission to publish in this form has not been obtained. If any copyright material has not been acknowledged please write and let us know so we may rectify in any future reprint.

Except as permitted under Polish Copyright Law, no part of this publication may be reprinted, reproduced, transmitted, or utilized in any form by an electronic, mechanical, or other means, now knows or hereafter invented, including photocopying, microfilming, and recording, or in any information storage or retrieval system, without written permission from the publisher.

Editor: Dariusz Pleban Text Editor: Monika Piech-Rzymowska Picture Editor: Anna Borkowska

ISBN: 978-83-7373-380-0 DOI: 10.54215/Noise Control 2022 A Digital Monograph FullText

CC BY-ND: This license allows reusers to copy and distribute the material in any medium or format in unadapted form only, and only so long as attribution is given to the creator. The license allows for commercial use.

CC BY-ND includes the following elements:

BY - Credit must be given to the creator

ND – No derivatives or adaptations of the work are permitted

This paper is published and based on the results of a research task carried out within the scope of the fifth stage of the National Programme "Improvement of safety and working conditions" supported within the scope of state services by the Ministry of Family and Social Policy.

task no. 3.SP.10

entitled: Assurance of integration with European networks performing in terms of occupational safety and health The Central Institute for Labour Protection – National Research Institute is the Programme's main co-ordinator.

CIOP 처 PIB

Central Institute for Labour Protection – National Research Institute Czerniakowska 16, 00-701 Warsaw, Poland www.ciop.pl