

13 MIĘDZYNARODOWA KONFERENCJA ZWALCZANIA HAŁASU
13th INTERNATIONAL CONFERENCE ON NOISE CONTROL
6-9 czerwca 2004 r. • 6-9 JUNE 2004, Gdynia
Program • Programme

Niedziela • Sunday, 6.06. 2004

14.00 – 19.00 Rejestracja uczestników • **Registration of participants**

19.00 – 23.00 Kolacja przy ognisku • **Dinner and camp-fire party**

Poniedziałek • Monday, 7.06.2004

8.00 – 9.00 Śniadanie • **Breakfast**

9.00 – 10.00 Uroczyste otwarcie Konferencji • **Opening ceremony**

10.00 – 11.00 Referaty plenarne • **Plenary papers**

Sala obrad plenarnych • Plenary meeting room

10.00 **Zbigniew Engel, Wiktor M. Zawieska**

The State of Protection Against Noise in the Environment in the Year of Poland's Accession to the European Union

10.30 **Jerzy Sadowski, Barbara Szudrowicz**

Noise and Vibrations Protection in Buildings. The State of the Issue in Poland in the Year of Poland's Accession to the UE

11.00 – 11.15 Przerwa • **Coffee break**

11.15 – 12.15 Referaty plenarne • **Plenary papers**

Sala obrad plenarnych • Plenary meeting room

11.15 **Danuta Augustyńska, Adam Lipowczan**

The State of Noise and Vibration Protection at Work in the Year of Poland's Accession to the EU

11.45 **Jean R. Jacques**

Noise and Standardization, Focussing on Machinery and Workplace Domains

12.15 – 12.30 Przerwa • **Coffee break**

12.30 – 13.50 Referaty sekcyjne • [Session papers](#)

Sala A • Room A	Sala B • Room B
<u>Analiza, pomiary i metody aktywne redukcji hałasu (1) • Measurement, Analysis and Active Noise Control (1)</u>	<u>Hałas maszyn i urządzeń (1) • Machinery Noise (1)</u>
12.30 Wojciech Batko, Robert Barański <i>Wavelet Transfer Function in the Assessment of Transmission of Vibration in the System: Hand Tool – Operator’s Hand</i>	12.30 Czesław Cempel, Dagmara Kowalik <i>Noise Factor in the Automotive Wire Harness Assembly Process</i>
12.50 Jacques Chatillon, Vincent Planeau <i>Sensitivity of a Noise Predicting Software According to Input Parameters</i>	12.50 Peter Dietz <i>Design of Low Noise Machines by Noise Flow Analysis</i>
13.10 Lesław Stryczniewicz <i>The Inverse Method in Localization of Zones of Increased Vibroacoustic Emission</i>	13.10 Maria Golec, Zdzisław Golec, Czesław Cempel <i>Noise of Wind Power Turbine Sets. A Case Study</i>
13.30 Grażyna Wszolek, Zbigniew Engel <i>Uncertainty in the Investigation of Acoustic Measuring Instruments Applied in Noise Control</i>	13.30 Diana Ioana Popescu <i>Noise and Education</i>

13.50 – 14.50 Obiad • [Lunch](#)

14.50 – 16.50 Referaty sekcyjne • [Session papers](#)

Sala A • Room A	Sala B • Room B
<u>Hałas środowiskowy • Environmental Noise</u>	<u>Drgania mechaniczne • Vibration</u>
14.50 Adam Lipowczan, Janusz Kompala <i>System for Management of Acoustic Revitalisation of Urban Industrial Areas</i>	14.50 Jerzy Sadowski, Tadeusz Chyży <i>The Effect of Road Traffic on the Vibrations Level Generated in Buildings on Examples of Measurement in Warsaw Agglomeration</i>
15.10 Eugeniusz Kozaczka, Grażyna Grelowska <i>Shipping Noise</i>	15.10 Andrzej Grządziela <i>Vibration Analysis of Unbalancing of Marine Gas Turbines Rotors</i>
15.30 Ignacy Gloza <i>Sound Emitted by Ships and Grey Seals Into Water Environment</i>	15.30 Wojciech Rdzanek, Wiktor M. Zawieska <i>The Total Sound Power Radiated by a Clamped-Guided Annular Plate Exited for Vibrations by an External Surface Pressure</i>

15.50 Douglas Manvell, Hartmund Stapelfeldt, Janusz Prusak <i>Geometric Post-Processing of GIS Data</i>	15.50 Koton Jolanta, Piotr Kowalski, Janusz Szopa, Artur Majewski <i>Evaluation of Noise and Vibration Exposure at Workplaces in City Transportation Using Noise and Vibration Dose Meters</i>
16.10 Tadeusz Wszolek <i>Assessment of Utility of the Corona Audible Signal in the Diagnostic Process of the Technical Condition of UHV Transmission Lines</i>	16.10 Piotr Kowalski <i>Problem of Evaluating Simultaneous Exposure of Workers to Hand-Arm and Whole-Body Vibrations</i>
16.30 Mariusz Skrzek <i>Economic Effects Menace of Noise</i>	16.30 Janusz Szopa <i>Test Rigs for Measurement of Transfer Properties of Personal Protective Equipment From Shock and Vibration</i>

16.50 – 17.10 Przerwa • **Coffee break**

17.10 – 19.10 Referaty sekcyjne • **Session papers**

Sala A • Room A

Sala B • Room B

<u>Wpływ hałasu i drgań mechanicznych na człowieka (1) • Effect of Noise and Vibration on Human (1)</u>	<u>Prezentacje Wystawców (1) • Presentation of Exhibitors (1)</u>
17.10 Jukka Starck, Esko Toppilla <i>The Attenuation of Hearing Protectors Against Industrial Impulse Noise</i>	17.10 Bruel&Kjaer Sp. z o.o.
17.30 Jan Żera, Rafał Młyński <i>Attenuation of Outside Noise by Shotblasting Helmets</i>	17.30 SAINT-GOBAIN ISOVER POLSKA
17.50 Małgorzata Pawlaczyk-Łuszczynska, Adam Dudarewicz, Małgorzata Waszkowska, Wiesław Szymczak, Mariola Śliwińska-Kowalska <i>Influence of Low Frequency Noise on Cognitive Performance</i>	17.50 PLASTOCELL KUNSTSTOFF GmbH
18.10 Małgorzata Pawlaczyk-Łuszczynska, Adam Dudarewicz, Małgorzata Waszkowska, Maria Kameduła, Wiesław Szymczak, Mariola Śliwińska-Kowalska <i>Does Low Frequency Noise Affect Human Mental Performance?</i>	18.10 G.R.A.S. Sound&Vibration

18.30 Bogdan Nienaltowski, Bogumił B. J. Linde <i>The Aim and Accomplishment of Flood Sound Alert</i>	18.30 PPUH SONOPAN Sp. z o.o.
18.50 Ewa Zamysłowska-Szmytke, Wiesław Szymczak, Mariola Śliwińska-Kowalska <i>Two Methods of Vibration Perception Assessing in Workers Exposed to Hand- Arm Vibration</i>	18.50 BACOU-DALLOZ

20.00 – 23.00 Uroczysta kolacja • **Banquet**

Wtorek • Tuesday, 8.06.2004.

8.00 Śniadanie • **Breakfast**

9.00 Wycieczka statkiem oraz zwiedzanie Gdańska • **Boat cruise and a sightseeing tour of
Gdańsk**

13.00 Obiad • **Lunch**

14.00 – 16.00 Referaty plenarne • **Plenary papers**

Sala obrad plenarnych • Plenary meeting room

14.00 **Martin Liedtke, Wilhelm – Wilfried Jürgens**
Thirty Years of Enforced Noise Control at German Workplaces - Effective Prevention?

14.30 **Osman Tokhi**
Intelligent Methods for Active Noise and Vibration Control

15.00 **Marek L. Szary**
*The Phenomena of Electrorheological Fluid Behavior Between two Barriers Under
Alternative Voltage*

15.30 **Wiktor M. Zawieska**
Active Noise Control Methods in Poland

16.00 – 16.20 Przerwa • **Coffee break**

16.20 – 18.00 Referaty sekcyjne • Session papers

Sala A • Room A

Sala B • Room B

<u>Hałas w przemyśle</u> • <u>Industrial Noise</u>	<u>Wpływ hałasu i drgań mechanicznych na człowieka (2)</u> • <u>Effect of Noise and Vibration on Human (2)</u>
16.20 Vincent Planeau, Jacques Chatillon <i>Evaluation of Daily Noise Exposure of Call Centres Operators</i>	16.20 Andrzej Czyżewski, Józef Kotus, Bożena Kostek, Krzysztof Kochanek, Henryk Skarżyński <i>IT-Enabled Comparison of Environmental Noise Levels and Noise-Evoked Hearing Impairments</i>
16.40 Andrzej Jaroch, Maria Rabięga <i>Measurements of Pseudo Transmission Loss of Acoustical Mufflers by Means of Transient Signals</i>	16.40 Esko Toppila, Jukka Starck <i>The Attenuation of Hearing Protectors Against High-Level Shooting Impulses</i>
17.00 Witold Mikulski <i>The Assessment of Noise at the Chosen Workstations in the Housing Development Industry and Road Construction</i>	17.00 Ewa Kotarbińska, Emil Kozłowski <i>Prediction of Speech Intelligibility with Hearing Protectors – Preliminary Verification</i>
17.20 Janusz Piechowicz <i>The Programming of the Acoustic Climate in Industrial Rooms</i>	17.20 Dariusz Puto <i>Investigation of Speech Transmission Quality in Level-Dependent Earmuffs Based on the STI Concept</i>
17.40 Witold Mikulski, Bożena Smagowska <i>Noise at Workstations in Foundry Cast-Iron Industry</i>	17.40 Jerzy Jackowski, Marcin Wieczorek <i>Classification of Acoustic Signals Generated by Military Vehicle Motion</i>

18.00 – 18.20 Przerwa • Coffee break

18.20 – 19.40 Referaty sekcyjne • Session papers

Sala A • Room A

Sala B • Room B

<u>Analiza, pomiary i metody aktywne redukcji hałasu (2)</u> • <u>Measurement, Analysis and Active Noise Control (2)</u>	<u>Hałas maszyn i urządzeń (2)</u> • <u>Machinery Noise (2)</u>
18.20 Grzegorz Makarewicz <i>Genetic Algorithm-Based Active Noise Control Systems – Simulations Using Internet</i>	18.20 Marek Birnbach, Antoni Śliwiński, Stanisław Zachara <i>Acoustic Impedance Variations of Helmholtz Resonators of Two Plates With Orifices Inlet Neck Against the Distance Between the Plates</i>

18.40 Pawel Górski, Leszek Morzyński <i>Active Noise Control in Industrial Cabins</i>	18.40 Jürgen Maue, Ralf Hertwing <i>Noise Reduction of Circular Saws by Means of Low-Noise Saw Blades</i>
19.00 Wiesław Wszolek <i>Automatic Understanding of Acoustic Signal</i>	19.00 Wiesław Fiebig <i>Noise Sources Identification on Example of Fluid Power Unit</i>
	19.20 Jerzy Jackowski, Marcin Wieczorek, Witold Luty <i>Selected Aspects of Tire – Road Interaction During Wheel Cornering</i>

20.00 Kolacja • **Dinner**

Środa • Wednesday, 9.06.2004

8.00 Śniadanie • **Breakfast**

9.00 – 10.30 Referaty plenarne • **Plenary papers**

Sala obrad plenarnych • Plenary meeting room

9.00 Eddy Gerretsen, <i>Measurement and Prediction in Building Acoustics: a Good Match in Standardization</i>
9.30 Emil Rajčan <i>Acoustics in Educational Process at the Technical Universities; at the Technical University in Zvolen</i>
10.00 Dariusz Pleban <i>Experimental Research on Vibroacoustic Phenomena in Machinery</i>

10.30 – 10.50 Przerwa • **Cooffee break**

10.50 – 12.50 Referaty sekcyjne • **Session papers**

Sala A • Room A

Akustyka budowlana
• **Building Acoustics**

10.50 **Krzysztof Kosala, Zbigniew Engel**
The Influence of External Disturbances on Acoustic Quality of Sacral Interiors

Sala B • Room B

Prezentacje Wystawców (2)
• **Presentation of Exhibitors (2)**

10.50 **WIBRO-AKUSTYKA**

11.10	Marianna Mirowska, Elżbieta Nowicka <i>Problem of Assessment of Sound Absorptive Chairs</i>	11.10	THC Gdynia
11.30	Paweł Tomczyk, Marek Niemas <i>Measurement of Dynamic Stiffness of Elastic Layer Used in Floating Floor as an Element of Acoustical Estimation of Floor</i>	11.30	CIOP-PIB <u>Przepisy prawne i edukacja</u> • <u>Legislation and Education</u>
11.50	Anna Kaczmarska <i>Modal Studies of the Wall of Industrial Noise Protections in Coupled Reverberation Chambers</i>	11.50	Tadeusz Powalowski <i>Archives of Acoustics - 29 years of activity</i>
12.10	Marek Niemas <i>New Confirmation Possibilities of Acoustic Properties of Building Elements for Assure Proper Acoustic Climate in Buildings</i>	12.10	Igor Dudnyk, Irena Gretska, Anju Vamben <i>Actual Problems of Vibration Standardisation in Ukraine</i>
12.30	Henryk Kwapisz <i>Acoustic Protection – Selected Systems Using SAINT-GOBAIN ISOVER POLAND Glass Wool Products</i>	12.30	Małgorzata Jędrzejewska, Barbara Miareczko <i>Conformity Assessment of Personal Protective Equipment, Machinery and Safety Components at CIOP-PIB as a Notified Body for Directives 89/686/EEC and 98/37/EC</i>
		12.50	Radosław J. Kucharski <i>The Environmental Noise Division of the Institute of Environment Protection activity in the field of noise control</i>
		13.10	Andrzej Chyla <i>Application of Aircraft Noise UE Standards in Poland</i>

13.30 – 14.00 Uroczyste zamknięcie Konferencji • Closing ceremony

14.00 Obiad • Lunch