



Aircraft Noise: Assessment, Prediction and Control

By Keith Attenborough, Oleksandr Zaporozhets, Vadim Tokarev

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Aircraft noise has adverse impacts on passengers, airport staff, and people living near airports. Reducing perceived noise of aircraft involves reduction of noise at the source, along the propagation path, and at the receiver. This volume demonstrates how accurate and reliable information about aircraft noise levels can be gained by calculations using appropriate generation and propagation models, and by measurements with effective monitoring systems. It details necessary measurement techniques and explains how to allow for atmospheric conditions and natural and artificial topography.

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Editorial Review

Review

"This book reflects decades of experience and investigations of the authors in the various fields of aviation acoustics and its effects on the surrounding environment... the book is absolutely recommended for its completeness and its unique approach in describing both the aircrafts as noise sources and the impact of airports on the environment while also giving suggestions on how to mitigate these problems and how to monitor and keep them under control."

?International Journal of Acoustics and Vibration, Vol. 19, No. 3, 2014

This book is striking as an in-depth compilation of the vast knowledge gained by the two lead authors.

?Noise Control Engineering Journal

...a useful overview of the tools needed for managing and monitoring aircraft noise impact.

?The Aeronautical Journal January 2013

About the Author

Oleksandr Zaporozhets and **Vadim Tokarev** are Professors at the National Aviation University of the Ukraine. They were awarded a silver medal for achieving success in the development of a national economy of the USSR in 1987.

Keith Attenborough is Research Professor in Acoustics at the Open University, Education Manager of the (UK) Institute of Acoustics, and former Editor-in-Chief of Applied Acoustics. In 1996 he received the Rayleigh gold medal from the Institute of Acoustics and is an Honorary Fellow of the Institute of Acoustics and a Fellow of the Acoustical Society of America.

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