

INFLUENCE OF VIBRATIONS ON THE ENVIRONMENT

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SUMMARY

The conference “Influence of vibrations on the environment” is organized since 1977 every three years by the Institute of Applied Mechanics (earlier Institute of Mechanics and Machine Design) of the Cracow University of Technology. The present conference is 15th in the sequence.

Vibrations of the mechanical systems have usually negative influence (except especially designed vibrating-type machines) on the surroundings and, finally, on the human body in the form of vibrations or noise. The Conference has been a forum of scientific discussions for the researchers dealing with the problems of reducing the negative influence of noise vibrations on human body, vibrations of machines and, generally, with the problems of reduction of different types of vibrations.

The organizers of the mini-symposium invite researchers who deal with: the influence of vibrations on human body, the vibration structural effects, the modern methods of reduction of noise and vibrations, the modern materials for damping of noise and vibrations, the modeling of complex dynamical systems (especially large scientific infrastructure), the experimental dynamics measurements, the biomechanics, the vibrations in civil engineering, the control of vibrations, the waves propagation, the ground motion, the cultural noise, as well as the vibrations and waves in crystal structures.