

To the stars and beyond – specialized applications for acoustic enhancement

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ABSTRACT

Using acoustic enhancement systems for creating a highly flexible acoustic solution for multipurpose halls is becoming more and more popular. Due to the achieved improvements in system design the desired acoustic conditions for all purposes can be created even under challenging conditions. The tuning of these systems considers the existing architectural acoustics and is able to accurately add the necessary acoustic energy with the required timing. This provides the possibility to design the desired acoustic environment in all details.

These features are opening the way to use acoustic enhancement systems for solving unusual problems in non-standard situations. The paper is presenting a variety of solutions for challenges such as huge open-air venues, reverberant halls or too loud orchestra pits.

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