

**OBJECTIVE METHODS TO QUANTIFY THE ENERGY DECAY IN COUPLED VOLUME
ROOMS AND A DISCUSSION OF THE PRACTICAL APPLICATION OF COUPLED
VOLUMES IN TODAY'S CONCERT HALLS**

Ted Pyper

Damian Doria

Todd Brooks

Artec Consultants Inc
114 West 26th Street 12th Floor
New York, New York, USA 10001
tap@artecconsultants.com

Artec Consultants Inc
114 West 26th Street 12th Floor
New York, New York, USA 10001



The East Harbour Concert and Conference Center in Reykjavik is currently under construction and will feature an 1800-seat concert hall employing acoustic control chambers surrounding the concert hall.

We will discuss the unique features of the coupled volumes built into this and other similar halls designed by Artec Consultants Inc.

We will explore the subjective response by operators and audience members in similar halls and seek to quantify the listener experience with objective measures.