

A Future without Feedback?

Hiro Ikeda

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Workshop 15: July 17th 2015 4:00 pm - 5:00 pm

Topic: Electroacoustic Enhancement

Presenter: Ben Kok, Wieslaw Woszczyk,

(McGill University), Ikeda Masahiro

(Yamaha Japan), Doyuen Ko, (Belmont

University)
Venue: MMR

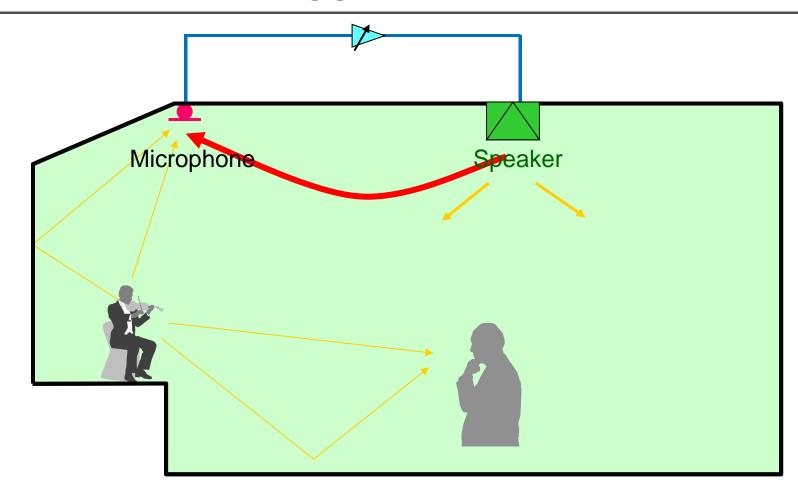


Yamaha AFC System



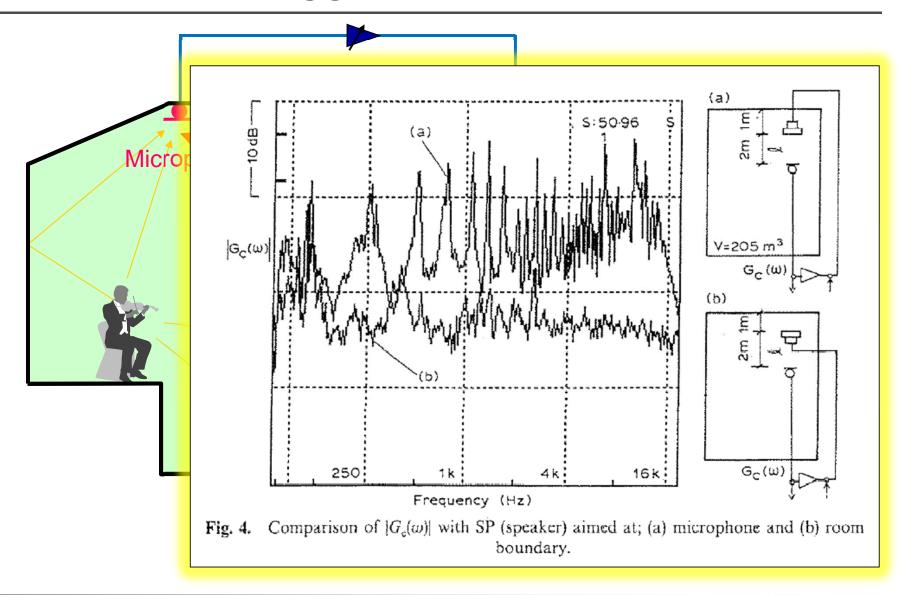


We need to struggle with Feedback

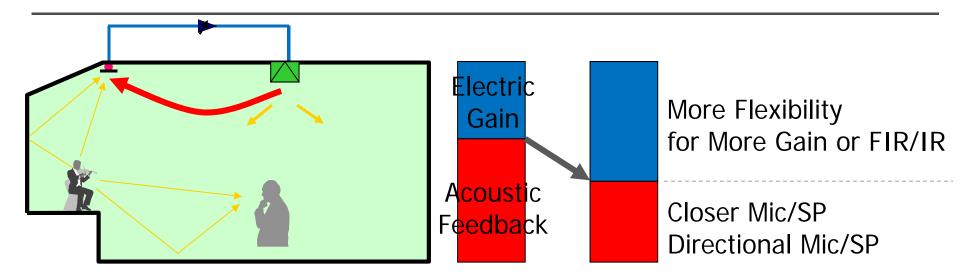




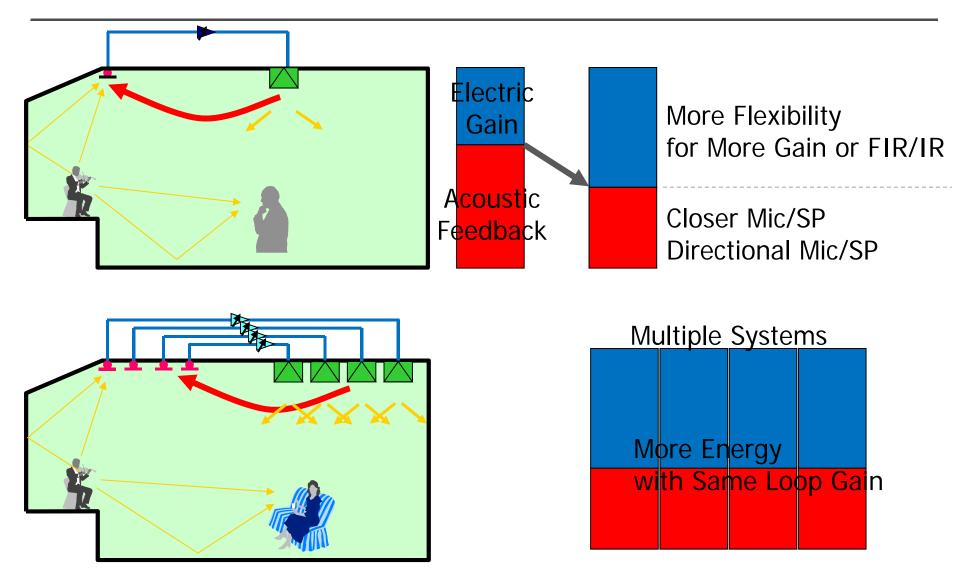
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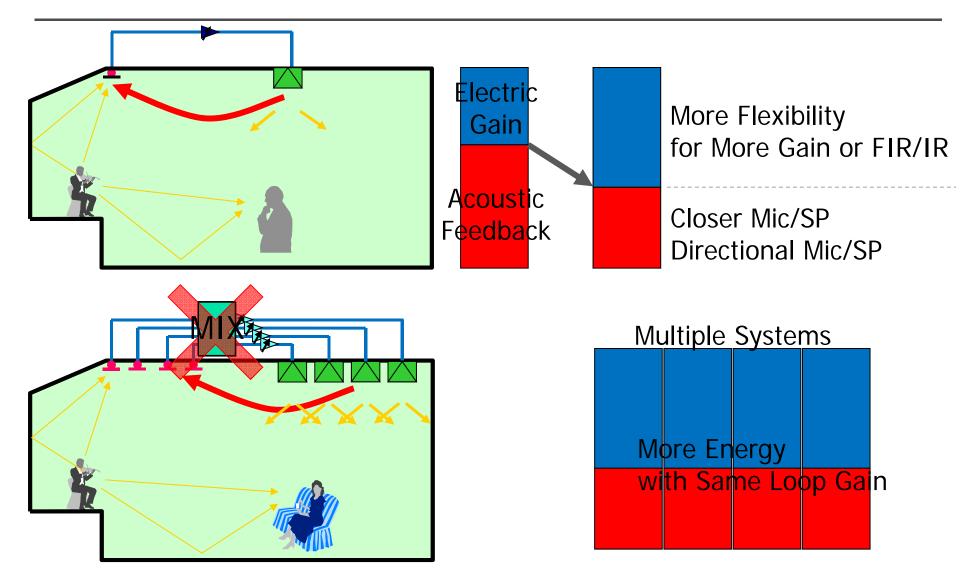




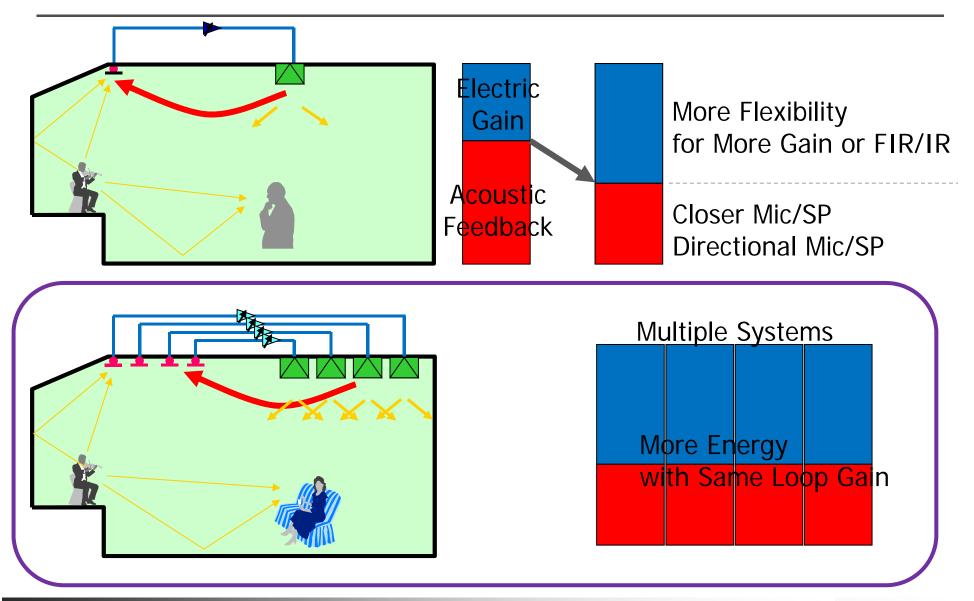








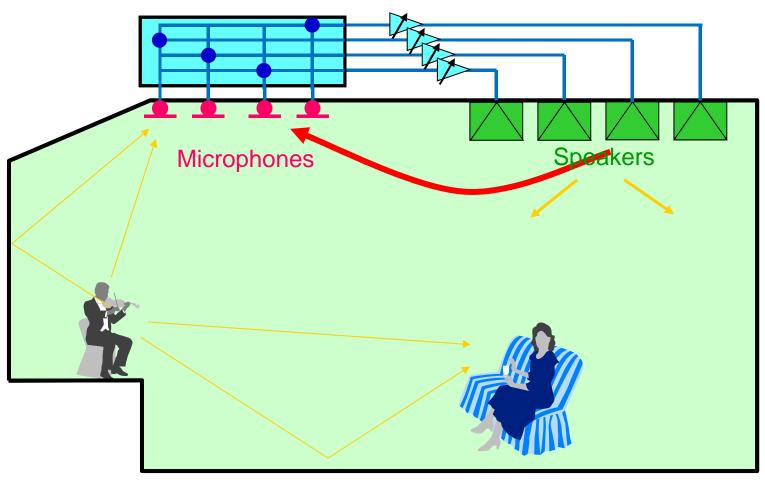






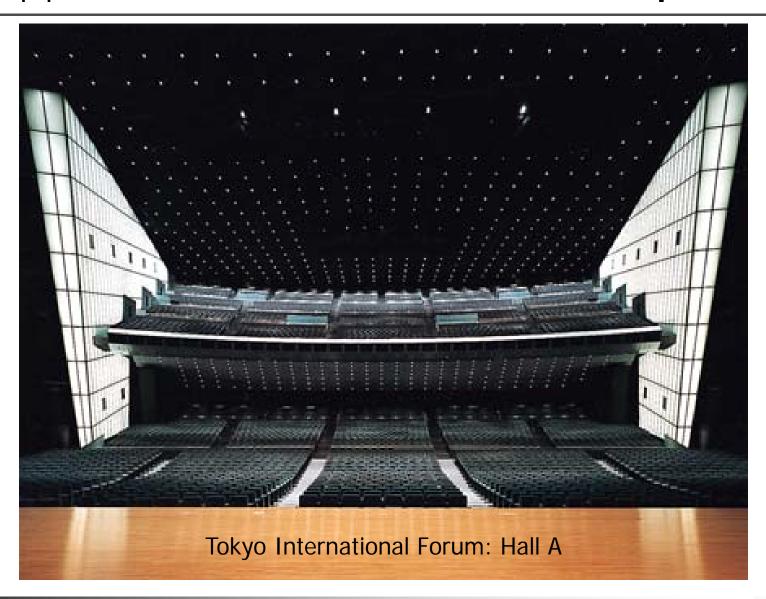
EMR

Electronic Microphone Rotator





Application 1: La Folle Journee au Japon





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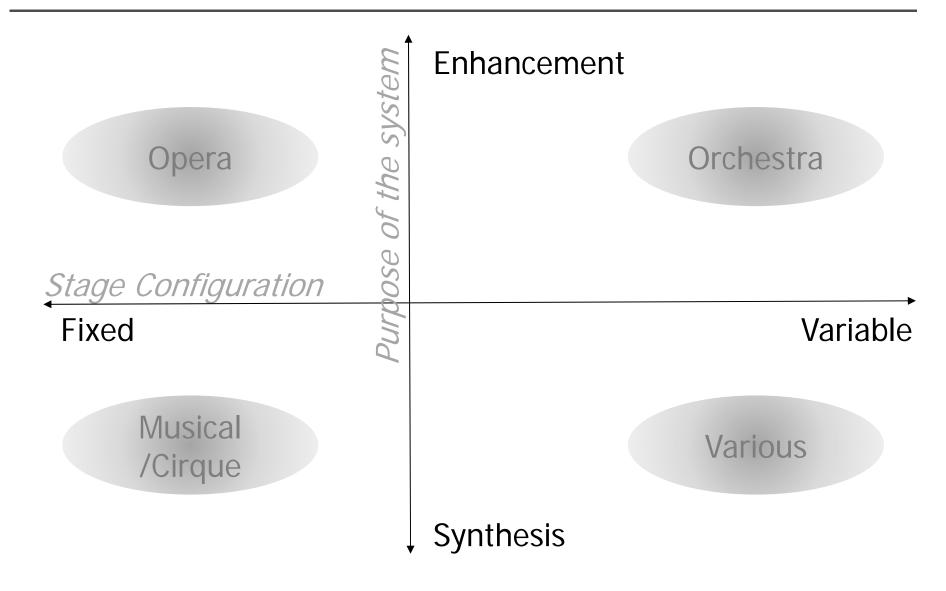




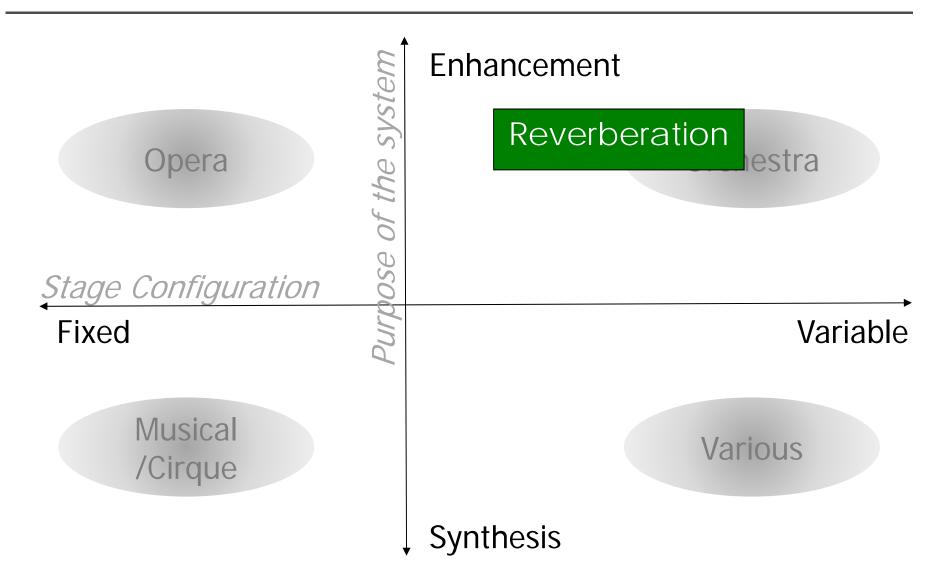




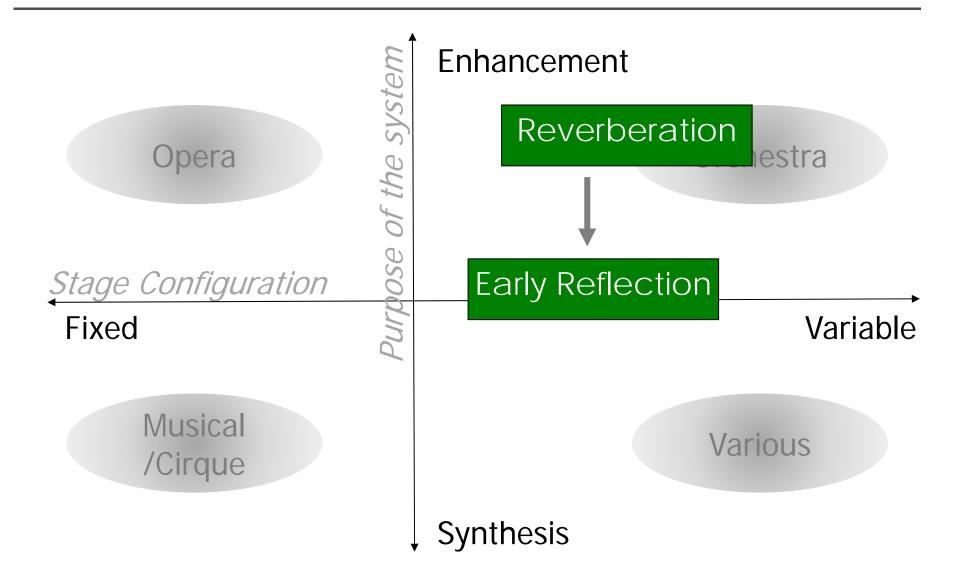




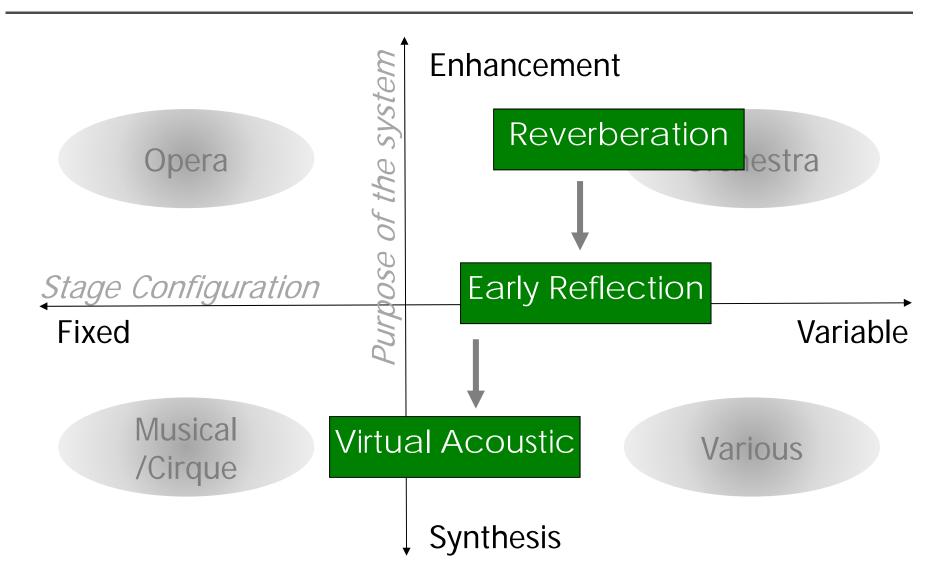






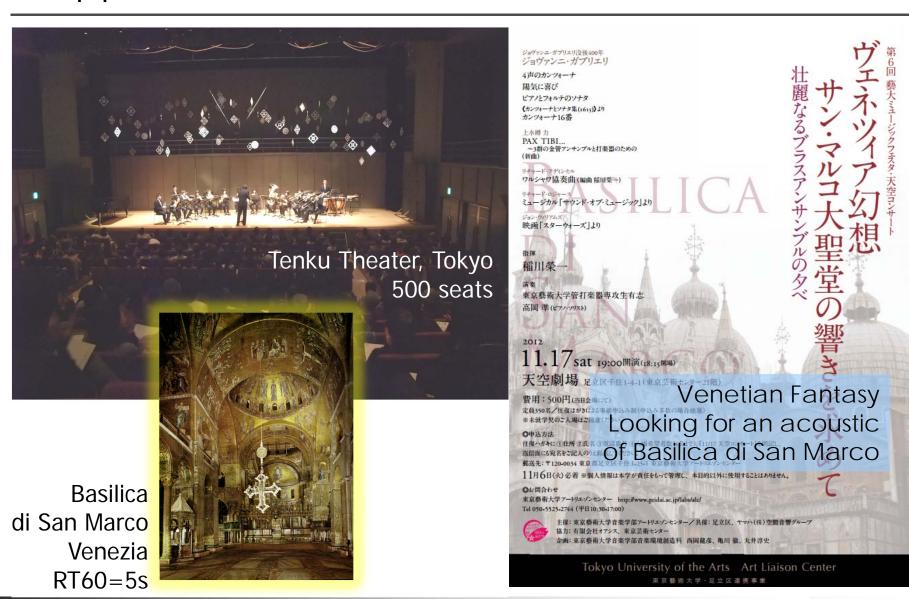






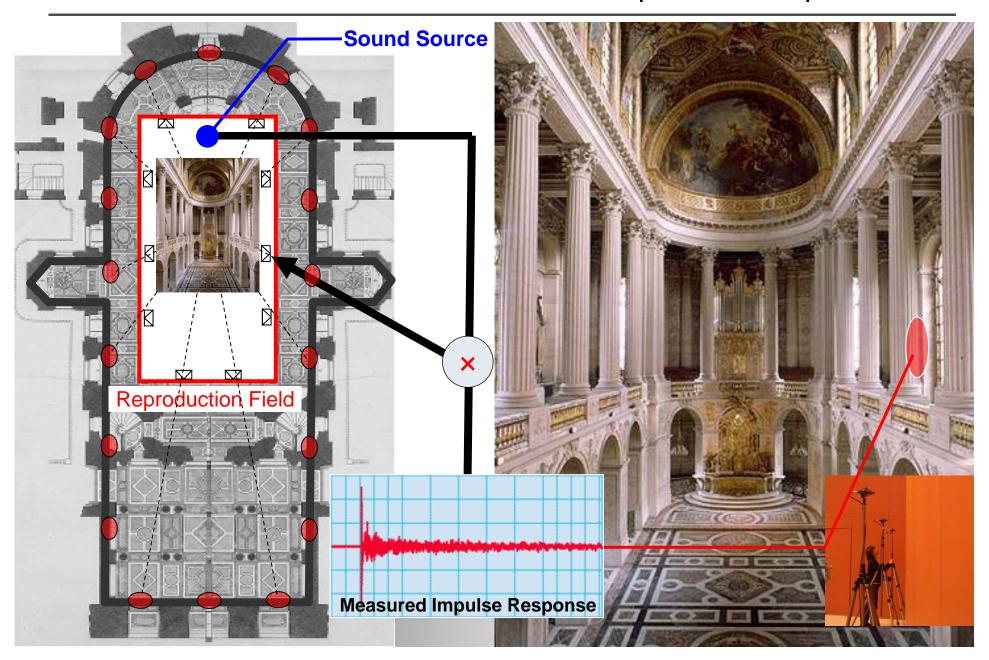


Application 2: Renaissance

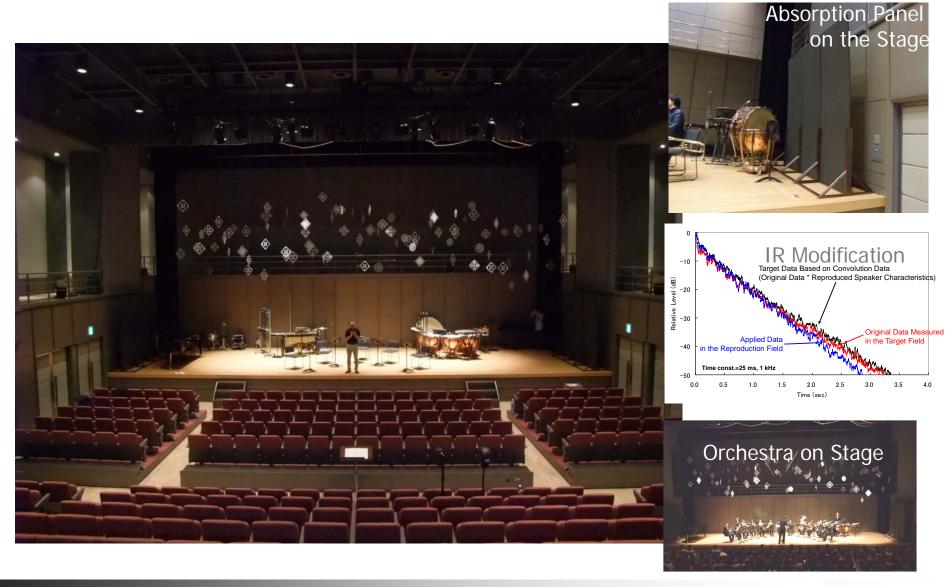




Convolution with Measured Impulse Response

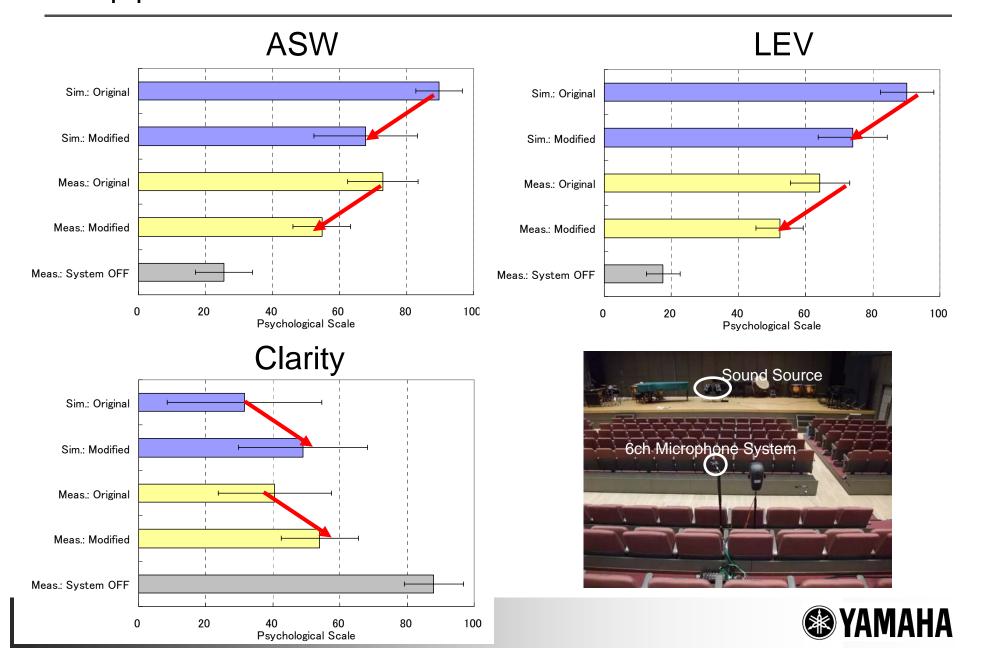


Tenku Theater with 500 seats

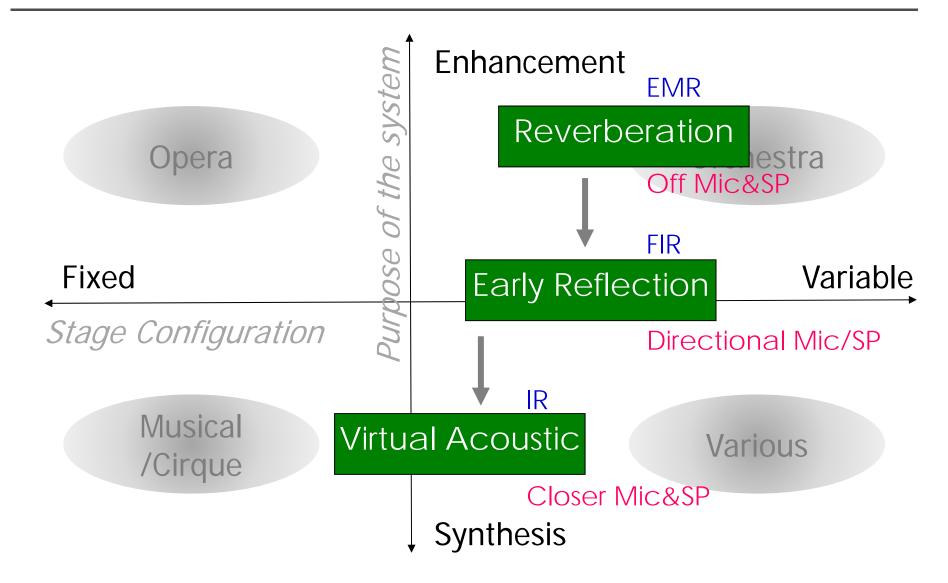




Application 2: Renaissance - Results



Solutions for Applications



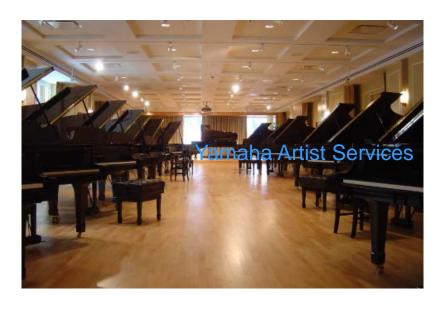


Future Works to do

- How to Control FIR/IR
 - More ER for Performers, when more RT for Audiences
 - Room Impression, Visual Cue
- More Tools
 - Auto Tuning
 - Singing Detection
- Voice Lift
 - Turn on and Enhanced
 - Like Lighting or Air Conditioning
 - Could be more effective with Dynamic Processing



Demo Systems



Yamaha Artist Services Inc. New York Piano Salon

Frank Sinatra School of the Art

- Tony Bennett Concert Hall



Both in







SHARING PASSION AND PERFORMANCE