

CLEMETH ABERCROMBIE

SENIOR CONSULTANT



Qualifications

B.S. in Systems Engineering at University of Illinois, Urbana-Champaign

M.S. in Architectural Acoustics at Rensselaer Polytechnic Institute in Troy, New York

Professional Associations

Acoustical Society of America

Audio Engineering Society

Publications

Acoustic re-radiation of structurally coupled instruments by stage floors and orchestra risers. (Lecture) J. Acoust. Soc. Am., 131(4):3358. Hong Kong, May 2012.

Variable acoustics systems and their impact on concert platforms. (Lecture) J. Acoust. Soc. Am., 130(4):2457. San Diego, California, November 2011.

Adjustable Experiences: Workshop on variable acoustics in large spaces for music (Lecture). McGill University, Montreal, Quebec. April 7, 2011.

Perceptual Dimensions of Stage-Floor Vibration Experienced During a Musical Performance. In Proc. Audio Engineering Society 129th Convention, November 2010.

Auralization of Audio-Tactile Stimuli from Acoustic and Structural Measurements. Journal of the Audio Engineering Society, 58(10):818-827 October 2010.

Main Responsibilities

To provide team leadership and design consultancy for all aspects of theatre design with a specific emphasis on facilities planning and acoustics

Experience

Clemeth's work spans disciplines ranging from auditorium design and facility planning, to room acoustics design and noise control. Clemeth's particular interests in combining experience in real-world venues with a theoretical base lead him to creative design solutions rooted in reality. He has twelve years' experience working in theatre including ten years as a consultant with stints at Artec Consultants and Arup serving as a project manager and designer for several of their major international arts venues. He also served as a concert sound engineer, production manager, and stage hand in the central Illinois region with clients including Krannert Center for the Performing Arts and Technotrix.

Clemeth has worked with orchestras including l'Orchestre Symphonique de Montreal, the Iceland Symphony Orchestra, the Aalborg Symphony Orchestra, and Israel Camerata Jerusalem in the course of their opening seasons in new concert halls.

Clemeth has also developed systems for virtual reality displays which bring clients into the design experience with immersive environments including visual, acoustic and tactile stimuli.

Consultancy work

Massey Hall, Toronto, CA; Southern Repertory Theatre, New Orleans, LA, USA; Stages Theatre, Houston, TX, USA; Studio Theatre, Washington DC, USA; The Hearn Generating Station, Toronto, CA; Caramoor Center for Music & the Arts, Katonah, NY, USA; Bronx Music Heritage Center, Bronx, NY, USA; Capital One Performing Arts Center, Tysons Corner, VA, USA; The Hudson Theatre, New York City, USA; Round House Theatre, Bethesda, MD, USA; TheatreSquared, Fayetteville, AR, USA; Dstillery, NY, USA; La Mama, New York City, USA;

Previous Consultancy work

La Maison Symphonique, Montréal, Québec, CA; Elma Arts Complex, Zichon Ya'acov; Israel; Harpa, Reykjavík, Iceland; House of Music, Aalborg, Denmark; Darat King Abdullah II Performing Arts Center, Amman, Jordan; West Kowloon Cultural District, Hong Kong; Douglas Gordon and Hélène Grimaud's tears become...streams become... at the Park Avenue Armory, New York City, USA; Maya Lin's Sound Ring, Ithaca, NY, USA; Libreville Conference Center, Libreville, Gabon; Wilson Opera House Memorial Outdoor Performance Space, Wilson, KS, USA; MGM Grand Cotai Spectacle, Macau; Grenada House of Parliament, Grenada; Broadway Rose Theater, Tigard, OR, USA; Spirit Mountain Casino Events Center, Grande Ronde, OR, USA.

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