

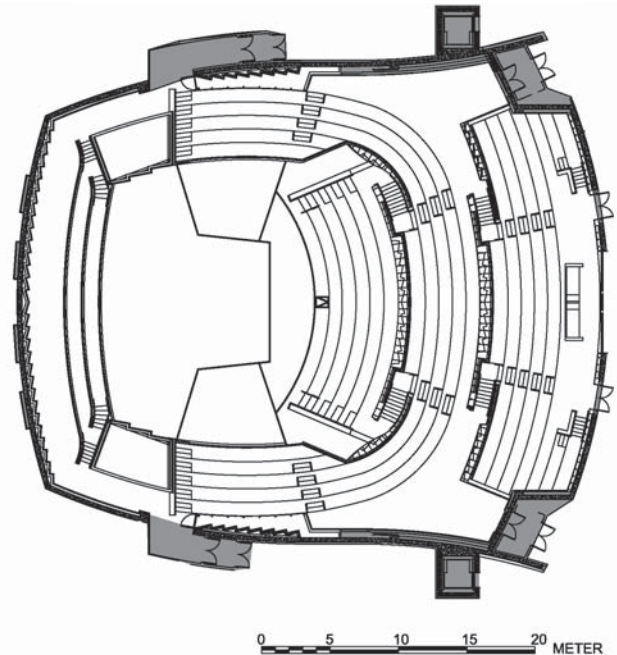
Acoustic Consultant:	Nagata Acoustics
	Robert F. Mahoney and Associates
Architect:	Zimmer Gunsul Frasca Architects
Owner:	Soka University of America
Capacity:	1,000 seats
Construction Cost:	\$73 million

The Soka University Performing Arts Center and Academic Building opened in September 2011. The \$73 million performing arts center is open to the public, hosting various types of performing arts. For lovers of the performing arts, the center will become another choice among the many fine venues in Orange County. The building houses a 1,000-seat multipurpose hall, a 150-seat black box theater, support spaces, and classrooms. The multipurpose hall was designed primarily as a concert hall, but also to become suitable for dance, plays and musicals. To satisfy these flexible programs, the design features a curtain system for variable reverberation time and an automated stage lift to accommodate concert, thrust, and convocations stage settings. The seating layout of the multipurpose hall was arranged in the arena style. The room shape were carefully designed for balanced sound distributions. Interior materials were carefully selected to optimize sound reflections' characteristics. The two layered ceiling design, one for aesthetics and the other for room acoustics, was introduced.

BUILDING DETAILS & ACOUSTIC DATA

Location	1 University Drive Aliso Viejo, CA
Building Size	9,000 m ²
Seating Capacity	1,000
Room Volume	13,261 m ³
Reverberation Time (Mid-Frequency)	
Concert Configuration	
Unoccupied	2.4 sec (Without Curtains) 1.8 sec (With Curtains)
Occupied	2.2 sec (Without Curtains) 1.7 sec (With Curtains)
Thrust Configuration	
Unoccupied	2.2 sec (Without Curtains) 1.7 sec (With Curtains)
Occupied	2.0 sec (Without Curtains) 1.6 sec (With Curtains)
Finish Materials	
Ceiling	:Corrugated Metal/Concrete
Wall	:Gypsum Board
Floor	:Concrete
Seat	:Upholstered
Noise Level	NC - 15

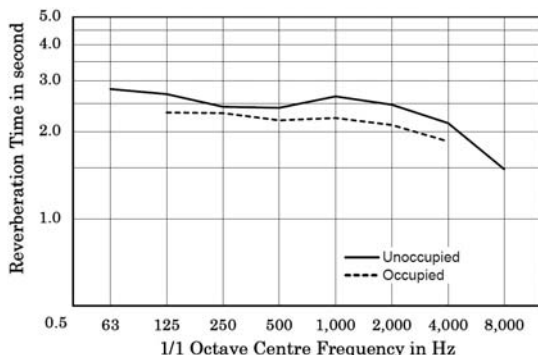
PLAN



LONGITUDINAL SECTION



REVERBERATION TIME



SOKA PERFORMING ARTS CENTER

ALISO VIEJO, U.S.A.
2011

NAGATA
ACOUSTICS



Soka University Performing Arts Center



Inside the Hall: Concert Configuration



Inside the Hall: Thrust Configuration



Inside the Hall: Semi Proscenium Configuration