

COLUMBIA UNIVERSITY

GRADUATE SCHOOL OF ARCHITECTURE, PLANNING AND PRESERVATION

ADVANCED STUDIO VI Spring 2020

Steven Holl and Dimitra Tsachrelia

with Martin Kropac

ARCHITECTONICS OF MUSIC: [A Concert Hall in Prague \(Links to an external site.\)](#)

PART I: TYPLOGICAL ANALYSIS

For 12 different halls presented by student teams:

Berliner Philharmonie – Hans Scharoun

DR Koncerthuset – Jean Nouvel

Carnegie Hall (NYC 1891) – William Tuthill

Teatro Regio, Turin – Carlo Mollino

Lucerne Concert Hall – Jean Nouvel

Guangzhou Opera House – Zaha Hadid

Disney Concert Hall – F.O. Gehry

Oslo Opera House - Snøhetta

Shanghai Symphony Hall – Arata Isozaki

Sydney Opera House – Jørn Utzon

Philharmonie de Paris – Jean Nouvel

Harpa Concert Hall, Reykjavík – Henning Larsen

PART II: COMPOSITION AND LANGUAGE EXPERIMENT

Based on a musical fragment from 6 composers listed here, build a model in 20"x20" cube of space focusing on interior geometry of acoustic potential. Midterm presentation models to be 1/4" = 1'-0"

Horatiu Radulescu

Antonín Dvořák

Arvo Pärt

Leoš Janáček

Morton Feldman

Kaija Saariaho

PART III: 1200 SEAT CONCERT HALL FOR PRAGUE

The site for the concert hall will be in Prague, our Kinne Trip destination.

Program

1,700 m ²	Main Concert Hall
2,300 m ²	Lobby Spaces
750 m ²	Musician and Orchestra Back of House Spaces
540 m ²	Café and Gift Shop
330 m ²	Kitchen, Loading Dock, Storage:
<u>1,400 m²</u>	<u>Basement MEP</u>
12,100 m ²	Total Gross Area:

Reading list

- 1) Stravinsky, Igor. Poetics of Music, in the Form of Six Lessons. Cambridge, Massachusetts and London, England: Harvard University Press, fourteenth printing, 2000.
- 2) Treib, Marc. Space Calculated in Seconds. Princeton University Press, 1996.
- 3) Griffiths, Paul. Modern Music: The Avant Garde Since 1945. George Braziller, 1981.
- 4) Griffiths, Paul. Modern Music: A Concise History. Thames & Hudson, 1994.
- 5) Bardt, Christopher. Material and Mind. MIT, 2019.
- 6) Books in any edition by Merleau Ponty a) Phenomenology of Perception b) The Visible and the Invisible c) The Eye and the Mind. (These should all be available via Northwestern University Press).
- 7) Holl, Steven. Parallax, Princeton Architectural Press, 2000.
- 8) Holl, Steven. Scale, Lars Müller, 2011.
- 9) Safont-tria, Jordi; Kwinter, Sanford; Holl, Steven. Steven Holl - Color, Light, Time. Lars Müller, 2012.
- 10) Xenakis, Iannis. Formalized Music: Thought and Mathematics in Composition (Harmonologia Series, No 6). Pendragon Press, 1992.
- 11) Xenakis, Iannis. Music and Architecture, trans. by Kanach, Sharon. New York: Pendragon Press, 2008.

All architecture is teamwork. Students will work in teams of 2.

Desk crits on Mondays; Studio pin ups on Thursdays 1:30 – 6:30pm

Midterm, Ware Lounge: Thursday, February 27, 2020 - Final review, Ware Lounge: Thursday, April 30, 2020

www.architectonicsofmusic.com