

Physics & Contemporary Architecture



uchicago
PHSC-11800

Physics Instructors
Heinrich Jaeger
Sidney Nagel

Design Consultant
Patrick Griffin from SNHA

Professors Heinrich Jaeger and Sidney Nagel of the Physics Department at the University of Chicago are pleased to offer a public guest lecture series, about innovative approaches to resolving physical forces in architecture and design, as part of their spring 2022 course.

This lecture series is supported by the College Curricular Innovation Fund and organized in cooperation with the Arts, Science & Culture Initiative at The University of Chicago.

Lecture
1

Computational Physics for Architectural Design



Caitlin Mueller
Digital Structures, MIT

April 7

Lecture
2

Tectonics of Earth Architecture



Chad Kraus
Dirt Works Studio

April 14

Lecture
3

Living Materials



David Benjamin
The Living

April 21

Lecture
4

Shanghai Tower: Mega-Tall Structures



Aleksandar Sasha Zeljic
Gensler

April 28

Lecture
5

Strength from Shape: Shell Structures



Toby Mitchell
Skidmore, Owings & Merrill

May 5

Lecture
6

Urban/Landscape Innovations in Singapore



Stefaan Lambreghts
Grant Associates

May 12

Lecture
7

Designing the 41st & 43rd St. Chicago Pedestrian Bridges



John Clark
Cordogan Clark

May 19

Lecture
8

Adventures of an Interplanetary Architect



Xavier De Kestelier
Hassell

May 26

Lecture
9

TBA



Moshe Safdie
Safdie Architects

June 2