

THE SIAM STUDENT CHAPTER OF CITY TECH PRESENTS A TALK

BY

Dr. Robert Schneiderman

On February 11th, 2021 Virtually via Zoom FROM 1:00-2:00 PM.

Meeting ID: 586 526 2264 and Passcode: SIAM2021

The talk is on

“Math and Music: some useful analogies”

This talk will try to convince you that there exist useful analogies between the processes of discovering/creating/learning Mathematics and Music, and that elements of these processes can be transferred between Music and Mathematics as well as to other human disciplines. Along the way we will contemplate n -dimensional space, and find out what it might have to do with musicomathematical analogies. No previous expertise will be assumed.



Dr. Rob Schneiderman is an associate professor of mathematics at Lehman College CUNY. His research is focused on the geometric topology of 3- and 4-dimensional spaces, especially on knots in 3-manifolds and surfaces in 4-manifolds. He has published 19 mathematical research papers, as well as essays on music and mathematics. Rob is a regular research visitor at the Max Planck Institute for Mathematics in Bonn Germany; and has held postdoctoral positions at UPenn and NYU's Courant institute, since attaining a PhD in Mathematics from UC Berkeley in 2001.

Math web: <http://comet.lehman.cuny.edu/schneiderman/>

Before becoming a mathematician, Rob was a full-time musician, performing and recording on piano with Jazz luminaries including Eddie Harris, James Moody and Chet Baker throughout the USA, Japan and Europe, as well as Brazil, Indonesia and Mexico. He also has eleven recordings as a leader, including the most recent Tone Twister in 2017.

Free stream: <https://robschneiderman.bandcamp.com/album/tone-twister>

Music web: <http://robschneiderman.com/>