HARVARD UNIVERSITY
17 Oxford Street
Cambridge, MA 02138

Tuesday, September 15, 2020, at 10:00 (Boston)
15:00 (UK/Eire)   16:00 (C.Europe)   22:00 (China)
Mathematical Picture Language Seminar
Zoom at: https://harvard.zoom.us/j/779283357

Optimization, Complexity and Math
(or, can we prove P!=NP by gradient descent?)
Avi Wigderson, Institute for Advanced Study

Abstract: This talk aims to summarize a project I was involved in during the past 5 years, which links together many areas in math, CS and physics. I hope to explain our motivations and goals, summarize our understanding so far, as well as challenges and open problems. I plan to describe, through examples, many of the concepts they refer to, and the evolution of ideas leading to what we know. More details can be found at mathpicture.fas.harvard.edu/seminar. No special background is assumed.