

המחלקה למתמטיקה, בן-גוריון

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## קולוקוויום

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ביום שלישי, 3 בינואר, 2023

בשעה 14:30 – 15:30

ב-101 Math

ההרצאה

### BCFW AMPLITUHEDRON THE TRIANGULATION

חינתן על-ידי

Zurich) of (University Lakrec Tsviqa

**תקציר:** The (tree) amplituhedron was introduced by Arkani-Hamed in 2013. The central conjecture of the study is that the amplitudes of scattering in  $N=4$  SYM can be described by triangulating the amplituhedron. In this talk, I will describe the cells of the amplituhedron and how they are related to the BCFW cells. I will also discuss the conjecture that the amplituhedron is a positroid variety. This is a joint work with Chaim Even-Tessler, Ran Tessler, and Zohar