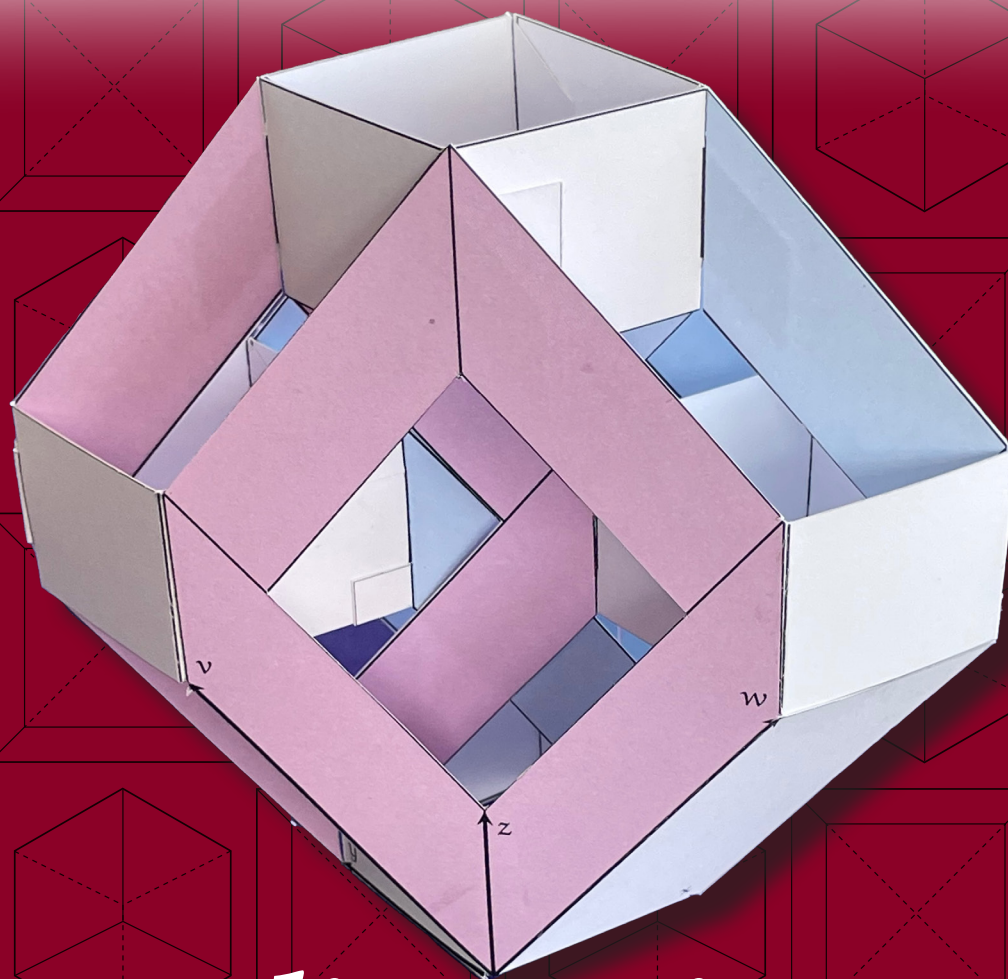


MATH ENCOUNTERS



FROM *two dimensions* TO *four*: *exploring MATHEMATICS through* POP-UP CONSTRUCTIONS

Speaker: Richard Hammack

Wednesday, December 3, 2025

Special introduction by **Annalisa Crannell**,
professor of mathematics at Franklin &
Marshall College.

Afternoon Presentation

4:00 pm ET (New York)

Evening Presentation

7:00 pm ET (New York)

National Museum of Mathematics
225 Fifth Avenue
New York, NY

We tend to think of pop-up books as a genre of children's literature, but lurking between the pages are interesting and complex mathematical mechanisms. By their very nature, pop-ups are a perfect (and largely unexplored) medium for describing and communicating mathematical form. Join mathematician, paper engineer, and designer Richard Hammack of Virginia Commonwealth University as he presents his pop-ups of mathematical objects and previews his *Pop-Up Book of the Hypercube*. Plus, participants will create their own 4D cube pop-up card to take home!

Register now at mathencounters.org to reserve your place!

MATH ENCOUNTERS

*A public presentation series celebrating
the spectacular world of mathematics*