Dr. Sin-Min Lee
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“From A. Einstein’s Puzzle to the Theory of Face Magic Graph Labelings”

Abstract:
In this expository lecture, the audience will explore magic squares, ancient Indian and Chinese mathematics and Einstein’s 1932 mathematics puzzle. You will encounter the beautiful graphs in graph theory such as: polyominoe graphs, lotus graphs, Mongolian tents, Pyramids, Great walls, Aztec diamonds, etc. You will understand what kind of mathematics graph theorists are doing today in the theory of face magic graph labelings. Due to global warming, our sea level rise is accelerating. Global warming is dramatically increasing coastal flooding risks, especially on the U.S. East Coast and Gulf of Mexico. By the year 2050, scientists predict over a billion people will have lost their lands. We need to work together to be better prepared for when the next catastrophe hits. I will explain why this theory has real-world applications, which will help us to construct floating cities in the future world.

Friday, March 30, 2018
3:00 PM in 372 Jabara Hall

Please come join us for refreshments before the lecture at 2:30 p.m. in room 353 Jabara Hall.