Invisible starships in Star Wars and Star Trek have long been in the fantasies of many Sci-Fi fans. Though the screen writers were probably not aware of this, cloaking devices can be much more than fantasies and actually have a solid scientific ground, starting from the beginning of 20th century. The key is in materials that have **negative indices of refraction**.

In this seminar, a brief historical account of the theoretical development of this topic will be provided. The recent successes in engineering meta-materials that exhibit negative indices of refraction will be discussed with a brief introduction of how it works.

Please join us for light refreshments at 4:15pm outside SEB 203.