This fall, Artists Space presents H_edge, a new project created by Cecil Balmond and ARUP Advanced Geometry Unit, a think tank dedicated to researching complex structural geometry in support of new architectural visions and solutions. AGU’s installation at Artists Space will function as an enclosure within the gallery, allowing visitors the opportunity to experience, interact with, and compartmentalize physical space in new and exciting ways. H_edge is an experiment in the use of geometry and matter to create organizations of space. Constructed solely of aluminium panels and stainless steel chain, H_edge is an application of advanced mathematics and engineering to form a modular structure capable of many shapes and configurations, surprisingly simple and elegant in its construction, yet ever-changing in its appearance. In addition to the three-dimensional installation H_edge, the exhibition also includes the wall piece Fourier Carpet, for which a computational design was woven into a wallhanging on a Jacquard loom. H_edge has been designed in London and constructed in Philadelphia with the help of Penn Design students. It consists of 5200 laser-cut aluminum plates and almost 5000ft of stainless steel chain. Fourier Carpet has been digitally generated and designed by Jenny E. Sabin in Philadelphia and woven on a digitized Jacquard Loom by Keystone Weaving in Lebanon, Pennsylvania. It is 36ft by 5ft and is composed of interlaced black and white wool threads.

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H_edge is supported, in part, by ARUP, the Graham Foundation for Advanced Studies in the Fine Arts, Elise Jaffe + Jeffrey Brown, and PennDesign. For Press inquiries, please contact Hillary Wiedemann at 212.226.3070 x 302 or press@artistsspace.org.