

1145-D1-2916 **Radmila Sazdanovic*** (rsazdan@ncsu.edu), Department of Mathematics NC State Univeristy,
Raleigh, NC 27695. *Tess-celestial*. Preliminary report.

This talk focuses on mathematics behind Tess-celestial: an exhibit that features tessellations of the hyperbolic plane. It explores the interplay of art, nature, culture, shape, perspective, and mathematics in everyday life. Created using the software Tess and KnotPlot, these tessellations show symmetries of hyperbolic space, convey the beauty and subtlety of mathematical objects and concepts, and how they can be combined to obtain beautiful visualizations. (Received September 25, 2018)