

# Spring 2019 Simons Lecture

The tasty low resolution problem space of knitting and mathematics

It's fun to think of good generative patterns and mathematical visualizations for low resolution spaces like knitting. Come hear about the interesting mathematics of what is possible on industrial knitting machines. Learn about skew, pixel resolution constraints, stitch direction, and types of knitting. Find out about some recent research and what it means to mathematical knitting.



## Fabienne Serriere

Fabienne Serriere is a mathematician who is grappling with a knitting machine obsession. She loves ham radio (K7FP), gardening, large complex problem spaces, and all things space related.



Thursday March 28, 2019

1P Lecture Hall

2.45pm to 3.45pm

Doors open 2.30pm

Post-lecture Reception in 1S

Join us for an afternoon of math, art & creativity.