

# Seminar

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**Thursday, November 21, 2019  
HH-3017, 2-3pm**

***Parallel methods for PDE based mesh generation***

**Abstract:**

In this talk I will review partial differential equation (PDE) based mesh generators which may be used, in a coupled way, to numerically solve (physical) PDEs. Such mesh generators are also used to motivate the design and analysis of algorithms to solve nonlinear PDEs in parallel using Schwarz style domain decomposition algorithms. If time permits, I will outline a new proof of convergence for an overlapping optimized Schwarz method.