

## ***Clements Scientific Computing Seminar Series***

Spring, 2019

Department of Mathematics, SMU

126 Clements Hall

1. February 7, Thursday, 3:45pm  
**Dr. Guofei Pang**, Applied Math, Brown University, *Physics-informed neural networks: A deep learning framework for solving forward and inverse problems of PDEs and fractional PDEs*
2. February 28, Thursday, 3:45pm  
**Prof. Eitan Tadmor**, Math, U. of Maryland, *Emergent behavior in collective dynamics*
3. March 20, Wednesday, 3:45pm  
**Prof. Greg Gbur**, Physics, UNCC, *Infinite Hotels in Swirling Beams of Light*
4. April 4, Thursday, 3:45pm  
Prof. **Shiwei Zhang**, Physics W&M, Flatiron Institute, *Ab initio computations in quantum many-body systems*
5. April 10, Wednesday, 3:30pm  
Prof. **Elton Hsu**, Mathematics, Northwestern, *Brown motions, history, theory, and application*
6. April 18, Thursday, 3:45pm,  
Prof. **Longfei Li**, Math, LSU, *A stable partitioned FSI algorithm for incompressible flow and deforming beams*
7. May 2, Thursday, 3:45pm  
**Prof. Jianfeng Lu**, Math, Duke, *Solving large-scale leading eigenvalue problem*

*Refreshment starts 15 minutes before talks.*

*Further details available online [webpage](#)*