

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

Fall, 2018

Department of Mathematics, SMU

126 Clements Hall

1. September 6, Thursday, 3:45pm  
**Dr. Mi Sun Min**, Math & CS, Argonne National Lab, *High-order methods for multi-physics applications*
2. September 20, Thursday, 3:45pm  
**Dr. Zhiqin Xu**, Courant Institute, *Understanding training and generalization in deep learning through Fourier analysis*
3. October 3, Wednesday, 3:30pm  
**Dr. Chia Wei Hsu**, Physics, Yale, *Bound states in the continuum and transmission eigen-channels in complex media*
4. November 1, Thursday, 3:45pm  
**Prof. Qing Nie**, Math, NSF-Simons Center, UCI, *Data-driven multiscale modeling of cell fate dynamics*
5. November 8, Thursday, 3:45pm,  
Prof. **Ming Gu**, Math, Berkeley, *Advanced techniques for low-rank matrix approximation*
6. November 15, Thursday, 3:45pm,  
Prof. **Eric Michielssen**, Electrical Engineering, U. of Michigan, *Butterfly+ Fast Direct Solvers for Highly Oscillatory Problems*
7. November 29, Thursday, 3:45pm  
**Prof. Liliana Borcea**, Math, U. of Michigan, *Reduced order model for active array data processing in inverse scattering*

*Refreshment starts 15 minutes before talks.*

*Further details available on math seminar [webpage](#)*