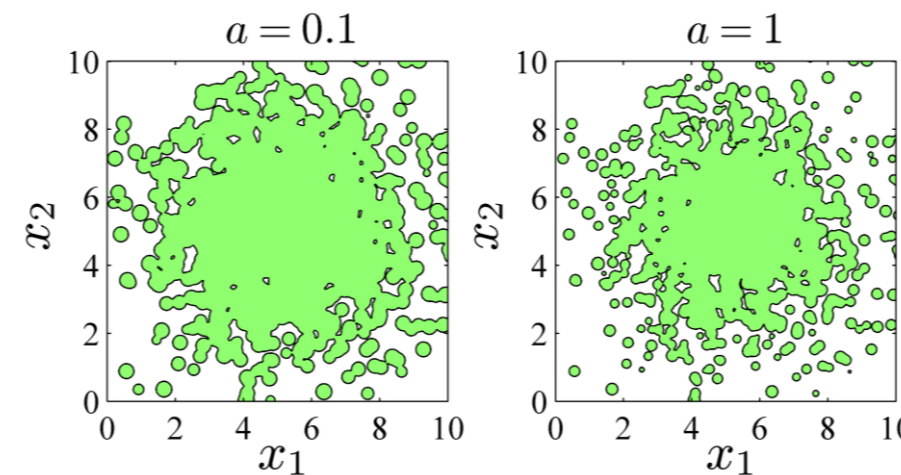
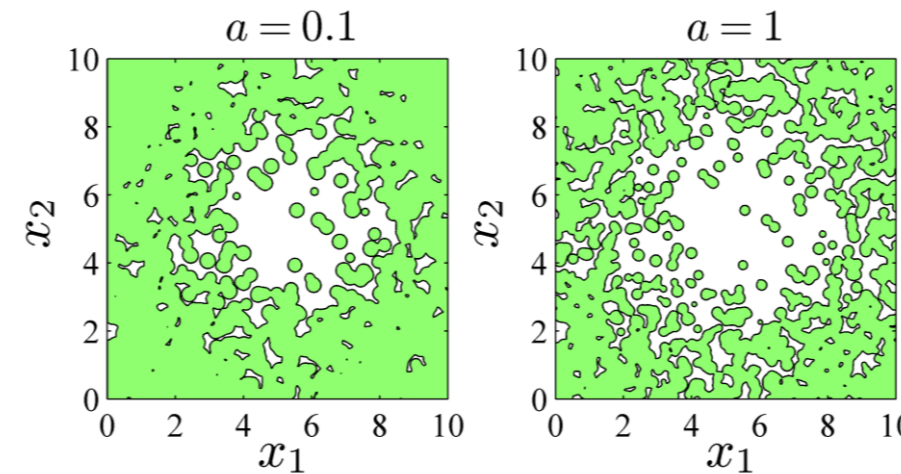


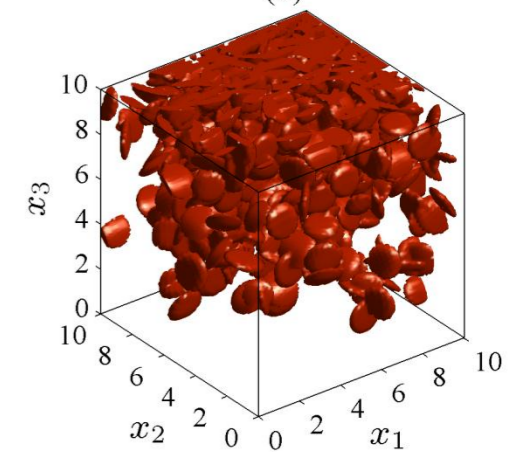
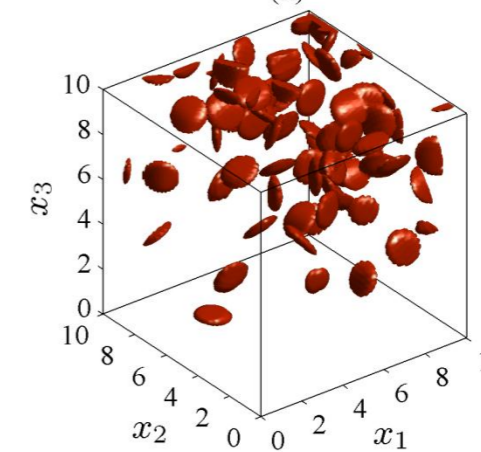
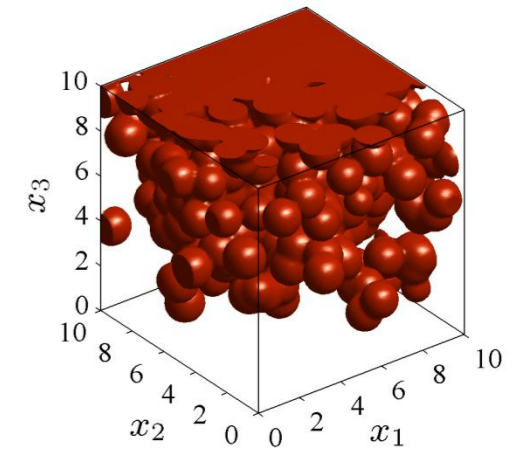
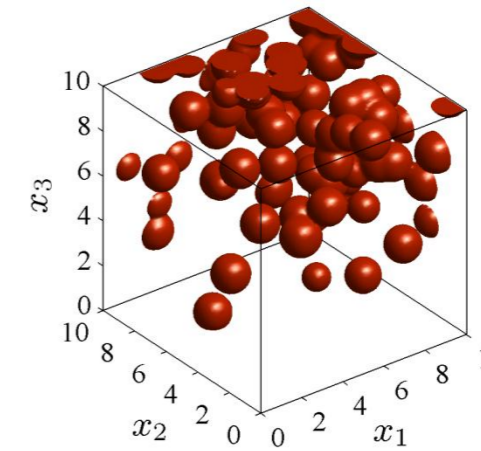
Computational Solid Mechanics

Prof. Sharif Rahman

- Random field models for synthetic microstructures of heterogeneous media
- Multiscale fracture behavior of cracks in FGMs
- Numerical methods for calculating crack-driving forces
- Computational mechanics of materials



2D microstructures



3D microstructures

New level-cut random field models developed can generate a wide variety of multi-phase microstructures of random heterogeneous media, including FGMs