



# UT Austin is an outstanding place to do molecular modeling

## Chemical Engineering

**Roger Bonnecaze**

**Jim Chelikowsky**

**Venkat Ganesan**

**Gyeong Hwang**

**Peter Rossky**

**Isaac Sanchez**

**Tom Truskett**



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*Institute for Theoretical Chemistry*

The University of Texas at Austin



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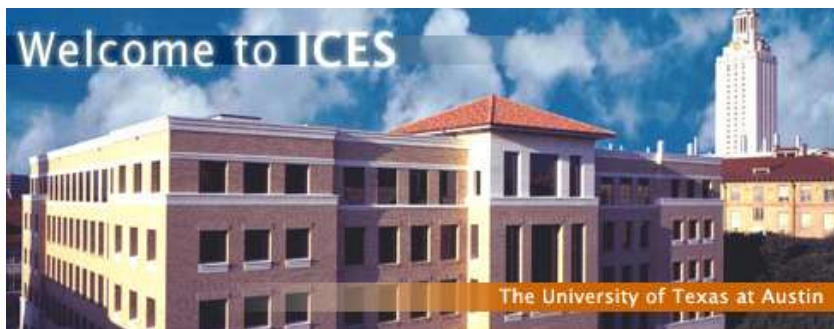
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# Interfaces in soft matter: Dynamics, structure, and thermodynamics

- Liquids under confinement
- Complex fluids (suspensions of colloids, nanoparticles)
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## Tools that we develop & use:

- **Molecular simulation** (equilibrium & non-equilibrium molecular dynamics, Brownian dynamics, Monte Carlo methods, stochastic optimization)
- **Statistical mechanical theory** (classical density functional theories, integral equation theories)

# Current members of the Truskett group

