

# Panel 3: Environmental Fate and Effects of Carbonaceous Nanomaterials

## Panelists:

Navid Saleh, University of South Carolina/UT Austin

Elijah Petersen, NIST

Robert Hurt, Brown University

## Moderators:

Tara Sabo-Attwood, University of Florida

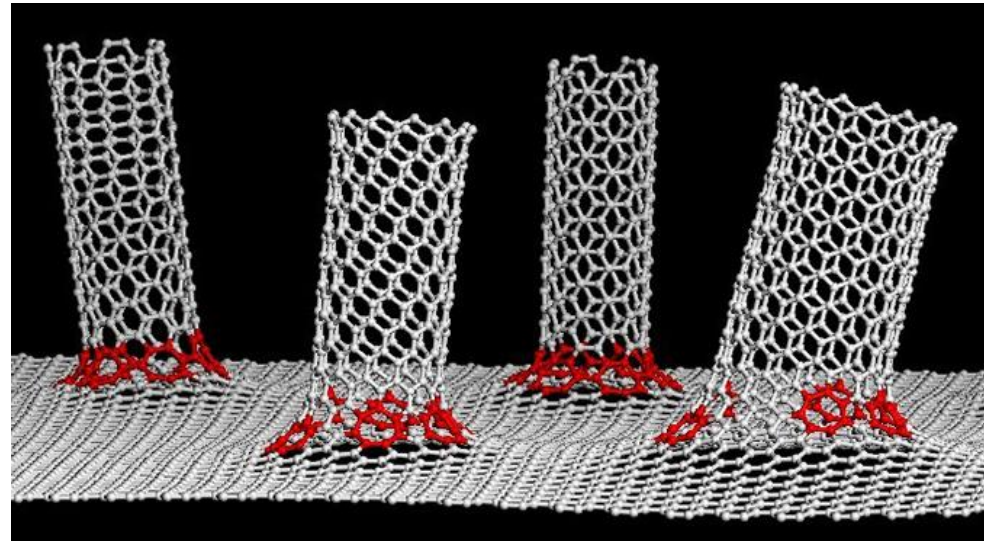
Barbara Karn, NSF

# Fate and Effects Challenges

Which particles?

Transformation –  
complex systems &  
exposure scenarios?

Which mechanisms?



# Challenges & Looking Forward

## Navid Saleh – Environmental fate and transport

Choice of hybrids, simulated release, transformation in complex environments and heterosystems

## Elijah Petersen – Ecosystem effects

Quantitative methods, polymer composite release and MOA, degradation

## Robert Hurt – Human health effects

MOA – membrane interactions and intracellular geometric effects (emerging 2D NMs), biodegradation