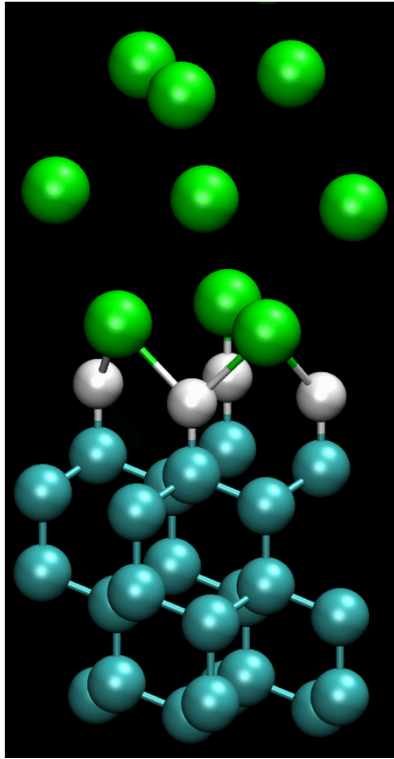


Computational Materials Design

Modeling at different length scales to tailor materials for automotive applications.



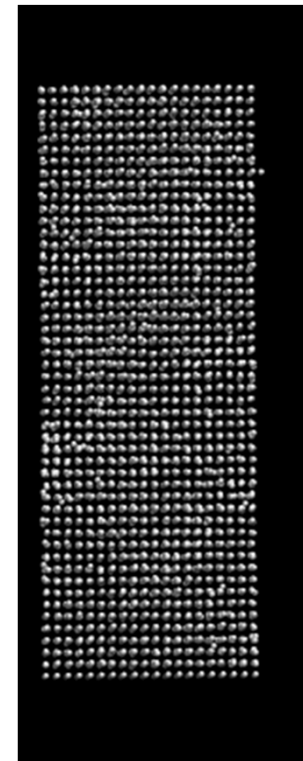
Al/diamond interface modeling for adhesion mitigating diamond-like carbon coating design

Piston ring coatings

Tool coatings for metal cutting

Surface engineering for forming

Sliding wear performance of Al-Si alloys



Aluminum nanowires to control manufacturing parameters.

