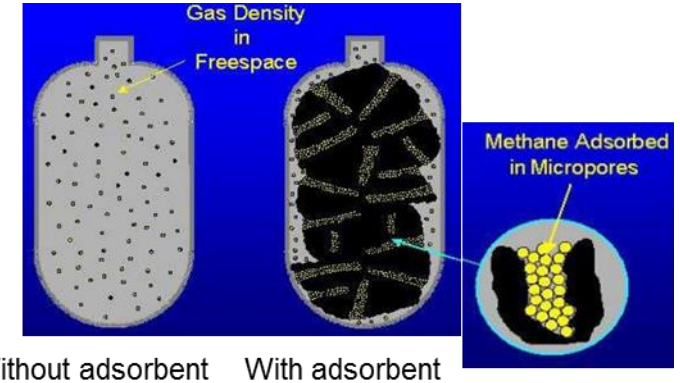


# COMPRESSED NATURAL GAS (CNG) AND ADSORBED NATURAL GAS (ANG) ADVANCED TECHNOLOGIES

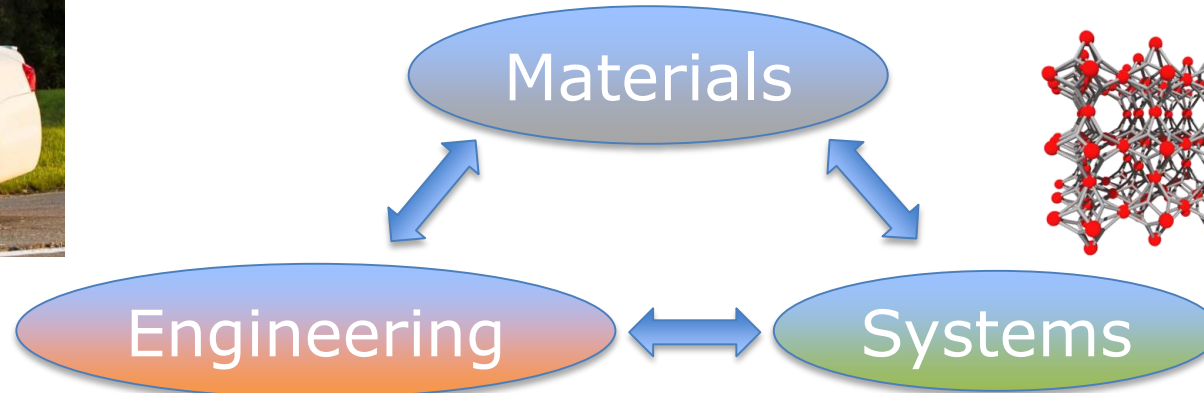
Anne Dailly, PhD



Adsorbed Natural Gas (ANG) Storage System



Material research on adsorbents and pressure vessel components



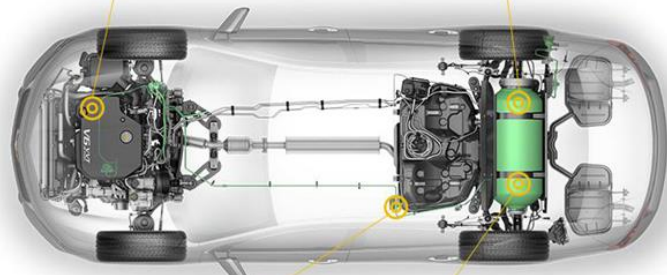
Low-pressure option with increased capacity for same operating ( $P, T$ ) conditions and home refueling capability

**Fuel System**

Hardened valve train improves durability.

**7.8 Gas Gallon Equivalent**

Vigorously tested all-steel construction tank provides 150 miles of range improves durability.



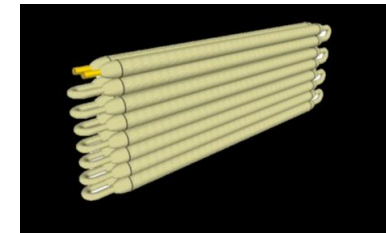
**Manual Fuel Shut-Off Valve**

**Pressure Release Devices**

Protects system damage by automatically reducing pressure when it senses increased heat or pressure

Fuel system, from receptacle to upstream high pressure regulator, performances targets to next generation materials and systems specifications

Advanced tanks vehicle integration and experimental demonstration



Pressure vessel conformability => free up trunk or flat bed space