Seminar on Solutions for Green Technology

Rice University, Duncan Hall #1049

08:30	Registration
09:00	Environmentally important materials - Pore size characterization of adsorbents - Heats of adsorption (static high-vacuum physisorption of gases and vapors)
10:30	Coffee break
10:45	Direct air capture and purification presented by SMS - Real world multi-component sorption testing (dynamic flow “breakthrough)
12:00	Lunch
12:45	Battery materials - Cathode and anode surface area measurements (rapid vacuum-volumetric physisorption)
14:00	Coffee break and lab tour
15:00	Hydrogen storage and carbon sequestration - Hydride formation and decomposition - High concentration sorption capacity of CO2 and CH4 (high pressure gas adsorption)
16:45	End of seminar