

Seminar on Solutions for Green Technology

North Carolina State University, Centennial Campus, Engineering
Building 3, Room 2236



08:30	Registration
09:00	Environmentally important materials <ul style="list-style-type: none">- 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 <ul style="list-style-type: none">- Real world multi-component sorption testing (dynamic flow "breakthrough")
12:00	Lunch
12:45	Battery materials <ul style="list-style-type: none">- Cathode and anode surface area measurements (rapid vacuum-volumetric physisorption)
14:00	Coffee break and lab tour
15:00	Hydrogen storage and carbon sequestration <ul style="list-style-type: none">- Hydride formation and decomposition- High concentration sorption capacity of CO₂ and CH₄ (high pressure gas adsorption)
16:45	End of seminar