

# Seminar on Solutions for Green Technology

Eldorada Hotel and Spa, Zia Ballroom



08:30 – 08:40	Registration
8:40 – 09:00	Introduction to Anton Paar
09:00	Environmentally important materials <ul style="list-style-type: none"><li>- Pore size characterization of adsorbents</li><li>- Heats of adsorption (static high-vacuum physisorption of gases and vapors)</li></ul>
10:30	Coffee break
10:45	Direct air capture and purification presented by SMS <ul style="list-style-type: none"><li>- Real world multi-component sorption testing (dynamic flow “breakthrough)</li></ul>
12:00	Lunch
12:45	Battery materials <ul style="list-style-type: none"><li>- Cathode and anode surface area measurements (rapid vacuum-volumetric physisorption)</li></ul>
14:00	Coffee break and lab tour
15:00	Hydrogen storage and carbon sequestration <ul style="list-style-type: none"><li>- Hydride formation and decomposition</li><li>- High concentration sorption capacity of CO<sub>2</sub> and CH<sub>4</sub> (high pressure gas adsorption)</li></ul>
16:45	End of seminar