**Classic Applications**

16 B $ Industry!

**Supercapacitors**

**Batteries**

Novel Applications!

CB structure

- **Carbon Black (CB)**

Porosity & Crystallinity Dynamics of CB during Internal & Surface Oxidation

Georgios Kelesidis, ETH Zurich, Switzerland

$: Pore radius

Specific Surface Area: 

\[ SSA = \frac{\text{Area}}{\text{Mass}} \]

Large SSA & \( r_p \) essential for energy applications!

Internal oxidation enhances CB porosity!