

Session Title:

Name: Volker Sick

Position: Professor of Mechanical Engineering

Abstract title: How is CO₂ a Solution to the CO₂ Problem?"

Abstract text (within 100 words): Opportunities to handle the excess CO₂ in the atmosphere as well as future inevitable CO₂ emissions are discussed. We must remove some CO₂ from the atmosphere and that CO₂ is a valuable raw material, a source of carbon that can be used to make useful products. This presentation describes what types of products could be made from CO₂ and what their climate and economic impact would be. The critical role of rigorous and transparent integrated life cycle and techno-economic assessments for decision makers is described.