

Session Title: CCUS

Name: Hideo Nomoto

Position: Chief Fellow, 8Rivers Capital LLC

Abstract title: A novel, low cost power generation technology with ~100% CO₂ capture

NET Power, a supercritical CO₂ power generation system based on the novel Allam Cycle, produces electricity from natural gas economically with no air emissions while inherently capturing 98%+ of the CO₂. NET Power has constructed a 50MWth demonstration plant in La Porte, Texas, which has successfully completed half of its testing. Remaining tests will be completed this year. NET Power's targeting deployment of 300MWe commercial-scale plants beginning in 2021. Using only private capital NET Power's investors 8Rivers Capital, Exelon and McDermott have developed this technology that will enable meeting the world's climate goals while taking advantage of the world's abundant and affordable fossil energy resources.