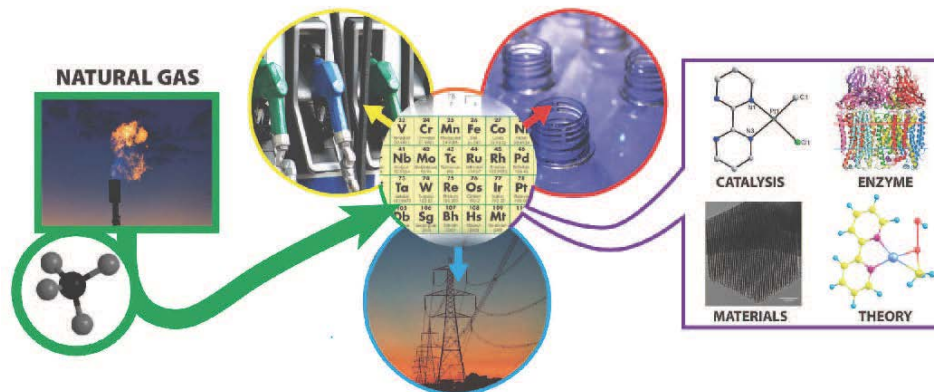


Center for Catalytic Hydrocarbon Functionalization (CCHF)

T. Brent Gunnoe (University of Virginia)

The goal of the CCHF is to develop next generation catalyst technologies for the conversion of fossil feedstocks to useful materials, particularly the conversion of natural gas to liquid fuel, that would reduce our dependence on oil and reduce harmful emissions.



RESEARCH PLAN AND DIRECTIONS

The CCHF will combine theoretical, computational and experimental approaches to the design and study of new catalysts and catalytic processes for the selective and low-temperature conversion of hydrocarbons, particularly methane from natural gas, into liquid fuels and for the use of methane in direct low-temperature fuel cells.