Areas of Energy Research

1. Energy Efficient Materials and Processes	a. Hetero- & Homo-geneous Catalysis
	b. Chemical Engineering: Process Design and Control
	c. Chemical Storage, Batteries, Supercaps, etc.
2. Petrochemicals	a. High-Value Products
	b. Chemical & Polymer Synthesis
	c. Polymer Structure & Properties
3. Biofuels	a. Catalysis Approaches
	b. Biorefining at the Molecular Level
	c. Biomass Processing
4. Hydrocarbon Geology	a. Geochemistry
	b. Sedimentology, Stratigraphy, Paleontology, Geomorphology
	c. Structural Geology, Tectonics, Geophysics
5. Alternative Energy	a. Solar Energy
	b. Fuel Cells, Thermoelectrics, etc.
	c. Non-Conventional Fuels (H_2, Hydrates, etc.)
6. Conventional Fuels	a. Petroleum Reservoir, Drilling & Production Engineering
	b. Clean Fuels
	c. Fuels Upgrading & Separation