# National Energy Technology Laboratory

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*July 24, 2007*

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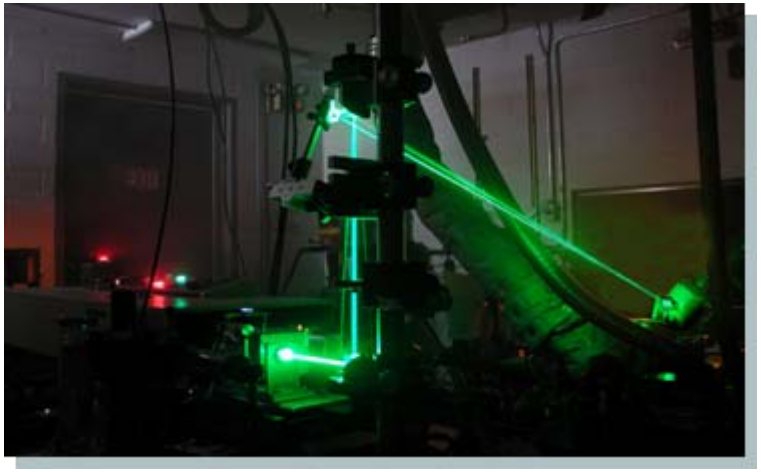
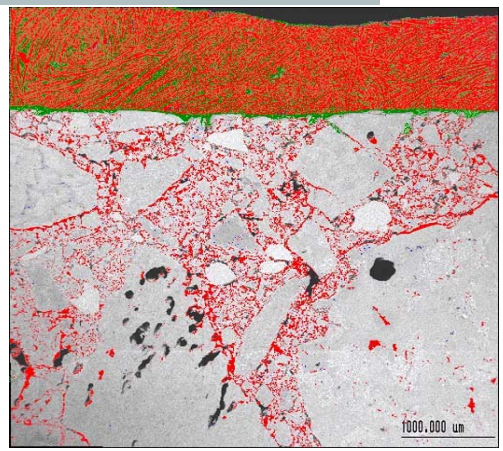
# Energy System Dynamics Focus Area



- Fuel Cells / Hybrids
- Gas Combustion
- Carbon Capture
- Reciprocating Engines & Laser Ignition
- FutureGen
- Zero Emission Strategies

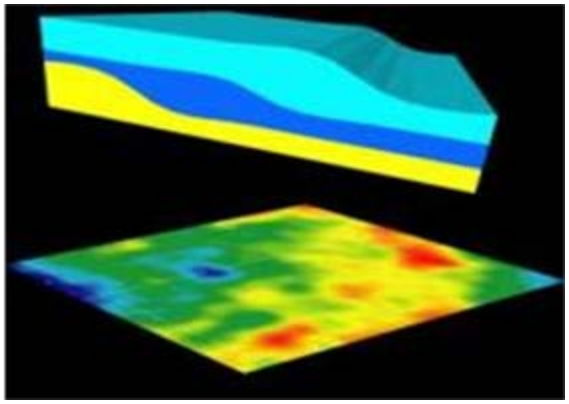
# Material Sciences Focus Area



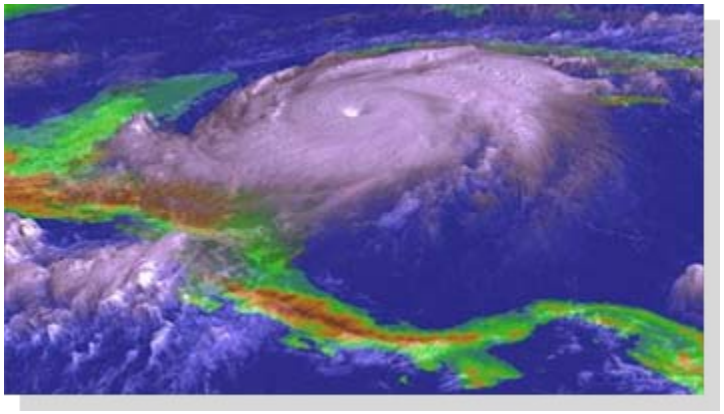

- Refractories for Gasification
- Advance metallurgical processes
- Materials for severe environment sensors and actuators
- Fuel cell interconnect materials

# Geological and Environmental Sciences (GES) Focus Area

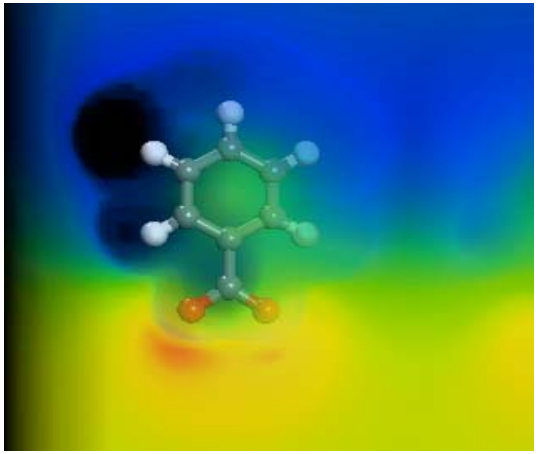
- Carbon Sequestration
- Clean Air Technology
- Water & Coal Utilization
- Byproducts
- Monitoring, Measuring, & Verification



# Computational and Basic Sciences Focus Area



- Computational Chemistry
- Device Simulation
- Advanced Fuel Systems
- Gas Hydrates
- Hydrogen production, storage, and separation
- Energy Security



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