

### COMPUTER SYSTEMS

Digital Twin

Computer architecture of embedded systems

Smart grid

Mathematics of operations research

### INDUSTRY

Dynamic based maintenance

Energy Transition in Agriculture

Sustainable process technology

### BATTERIES

Electrical charging

Organic battery materials

Power electronics & electromagnetic compatibility

Flow batteries

Salt batteries

Fluid dynamics

Solar / Photovoltaic

Algae

Ocean energy  
Wind energy

Biomass

Nuclear fusion

Hydrogen & fuel cells (Bio) electro chemistry

Chemical recycling

Sustainable energy systems

Defossilizing chemical industry

(Bio) electro catalysis

Catalytic processes & materials

### CATALYSIS

Membrane-based process/separation

Hydro power

Photocatalytic synthesis

### Energy Access

Politics of EA

### SYSTEM TRANSITION

Indian Energy Transition

Systems integration

Governance

Economy

Science technology & policy studies

Impact of innovations

### RENEWABLE ENERGY SOURCES

Hydraulic engineering

Nuclear power

Hydrogen sensors

Hydrogen and fuel cells

Underground hydrogen storage

### HYDROGEN

### HEAT

Thermal engineering

Systems for sustainable heat

Building physics & engineering

Construction management & engineering

### BUILT ENVIRONMENT

CO2 storage

### CO2

CO2 as raw material

CO2 capturing

Earth system analysis

Remote sensing

Geothermal energy systems

### EARTH OBSERVATION