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Research Theme

Electromagnetic and Nanoscale Materials and Manufacturing (ENMM)

Research Areas

- Solar Energy Conversion
- Photochemistry and photocatalysis
- Charge carrier dynamics
- Solar fuels
- Optical spectroscopy and imaging
- Structural and energetic heterogeneity
- Photophysics
- Carbon-based photocatalysts

Research Facilities/Tools

- coming soon:
- Transient absorption spectroscopy
- FTIR microscope
- Photoluminescence and UV-Vis (transmission, specular reflectance, diffuse reflectance) of films and powders
- High temperature muffle furnace
- Spectroelectrochemistry

