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Research Theme

Electromagnetic and Nanoscale Materials and Manufacturing (ENMM)

Research Areas

- Metamaterials
- Backward waves and negative refraction
- Super-resolution imaging and near-field focusing
- Wireless power transfer
- Frequency selective surfaces
- Passive microwave circuits
- Microwave sensors

Research Facilities/Tools

- Antenna measurement
- RF/microwave scattering parameters (R&S VNA)
- RF laminate patterning (LPKF prototyper)
- Rotary and linear positioning
- Full-wave electromagnetic simulation (COMSOL, HFSS, Momentum, etc)

