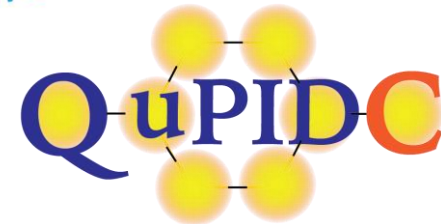
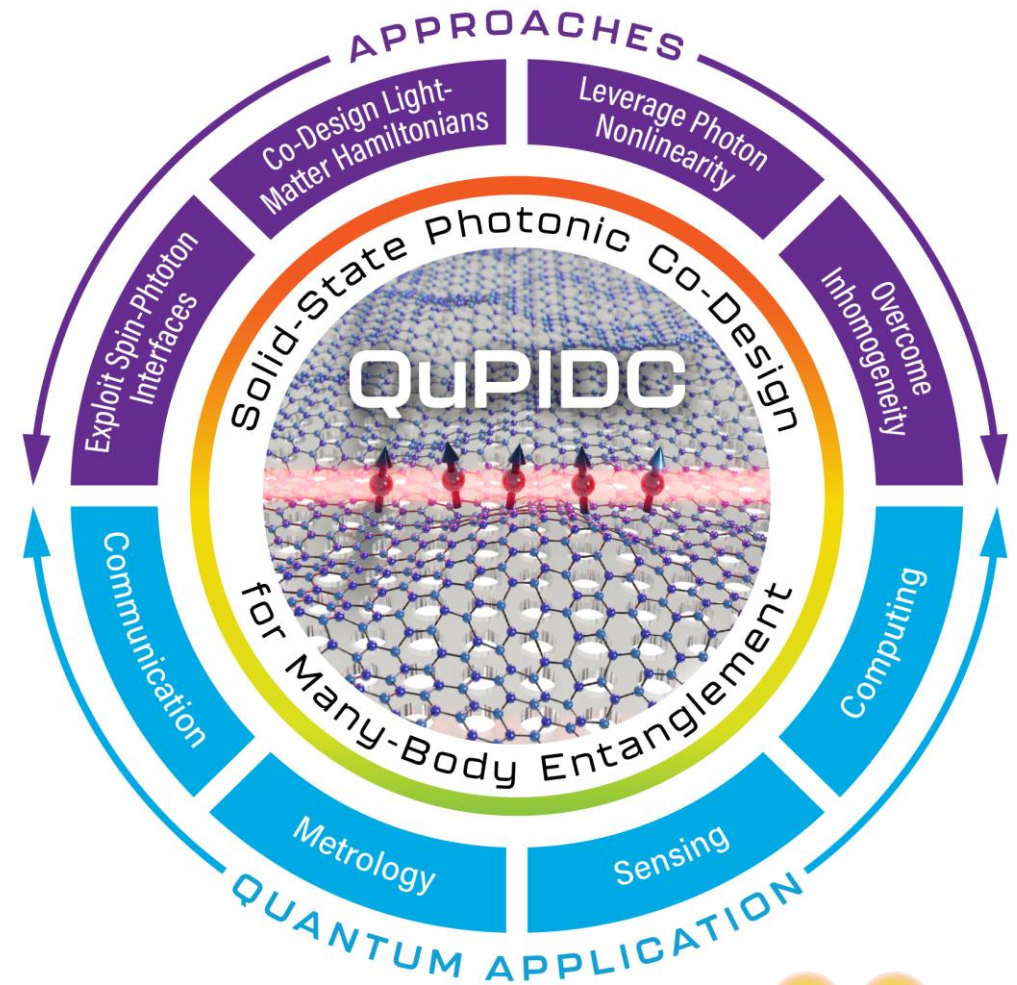


Quantum Photonic Integrated Design Center (QuPIDC)

Libai Huang (Purdue University); Class: 2024-2028

MISSION: To discover, design, and realize robust many-body entangled photon and matter states through multi-scale co-designing strategies in heterogeneous solid-state photonic systems.

RESEARCH PLAN: By co-designing systems' Hamiltonians including both the emitters and their photonic environments to control coherence and entanglement processes within heterogeneous materials, QuPIDC will realize a variety of quantum state of photons that are robust against inhomogeneity, decoherence and loss.



<https://www.science.purdue.edu/qupidc/>