ORGANIZED BY
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Minicolloquium on:

COHERENT DYNAMICS IN QUANTUM MATERIALS

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Contributions are welcome for:

- Light-induced control of magnetism, superconductivity, ferroeletricity or band structure and topology
- Using intra-band dynamics or driving collective modes as a probe of quantum materials
- Predicting new dynamically induced phases based on Floquet theory and beyond
- Incorporating scattering and decoherence in theoretical models, including Lindbladians or non-Hermitian Hamiltonians
- Employing quantum-simulating platforms (including ultracold atoms in optical lattices, wave guides or digital quantum computers) to benchmark new driving schemes and theoretical approximations
- Accessing and understanding pre-thermalization and non-thermal steady states
- Extending time-dependent numerical calculations to more complex systems and more extreme dynamics
- Ultrafast photoemission, X-ray scattering, electron diffraction, scanning probes and optical spectroscopy

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