



Student Name Sarang Mittal Student ID *****

Doctoral Degree in Physics

Thesis Title:

Enhanced cooperativity in a near-quantum microwave-to-optical transducer

Have you performed research involving human subjects which requires approval from the Institutional Review Board (IRB)? Yes No

IRB Protocol Number _____

Have you used live animals, animal tissue, or observational animal work which requires approval from the Institutional Animal Care and Use Committee (IACUC)? Yes No

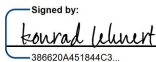
IACUC Protocol Number _____

Attach the final copy of thesis/dissertation for committee review. While formatting changes may be requested by the Graduate School, the content of the attached document should be final.

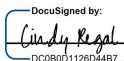


Approvals:

Committee Chair Name Konrad Lehnert

Signature  Date Signed 11/19/2024

Committee Member Name Cindy Regal

Signature  Date Signed 11/19/2024

The final copy of this thesis has been examined by the signatories, and we find that both the content and the form meet acceptable presentation standards of scholarly work in the above-mentioned discipline.