



ROMAN G. MAYS

ADVISOR: DR. FAQUIR JAIN

RESEARCH INTEREST

Interested in device fabrication at the nanoscale, as well as solar cells, field effect transistors, and other devices for logic and memory purposes. Also has interest in the utilization of quantum dots and their properties for the aforementioned devices.

EDUCATION

Ph.D Electrical Engineering
Concentration: Optoelectronics & Photonics

The University of Connecticut
Anticipated Graduation: 2021

MS Mechanical Engineering
Concentration: Heat, Energy, & Fluids

The University of Pennsylvania

BA Mathematics & Physics
Gustavus Adolphus College

CONTACT

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 /romanmays

PUBLICATIONS & PRESENTATIONS

- Mays, R, Gudlavalleti, R, Khan, B, Chan, P, Heller, E, Jain, F, 2019, "6 Layer Quantum Dot Super Lattice for Logic and Solar Cell Applications", Connecticut Symposium on Microelectronics & Optoelectronics, University of New Haven, Orange, CT
- Mays, R, Gudlavalleti, R, Khan, B, Chan, P, Heller, E, Jain, F, 2020, "Quantum Dot Superlattice for Solar Cell Applications", University of Connecticut, Storrs, CT

ORGANIZATIONS & HOBBIES

Student Association of Graduate Engineers

TREASURER

John Lof Leadership Academy

MEMBER

Hobbies

COOKING - MUSIC - GAMES

OUTREACH

Young Engineering Science Scholars (YESS) Program
Assistant

Institute of Electrical and Electronics Engineers (IEEE) UCONN Chapter
Graduate Assistant