The Laser Revolution

Today 1:10 – 2:15 pm, ARC 102

The presentation will briefly explain the unique properties of lasers and the enormous number of applications in such fields as science, technology, medicine, communications, architecture, defense, offense, navigation, arts, entertainment, and so on. It will end with some exciting thoughts for the future.

Dr. Shaoul Ezekiel
Massachusetts Institute of Technology

Student Presentation

Presentation 1 2:20 – 2:35 pm
“Water Disinfection of Bacillus Subtilis Spores Using Ultraviolet Light Emitting Diodes”,
Joseph Morris, MS. student, School of Electrical Engineering and Computer Science.

Presentation 2 2:35 – 2:50 pm
“Polarized luminescence characterization of charged quantum dot molecules”,
Venkata Thota, Ph.D student, Department of Physics.

Presentation 3 2:50 – 3:05 pm
“Nanophotonic Amorphous Waveguides for Broad-Spectrum Chemical Sensing”,
Sonja Abbey, MS. student, School of Electrical Engineering and Computer Science.

Presentation 4 3:05 – 3:20 pm
“Manganese δ-doped GaN Material for the Application in Spintronics”,
Meng Shi, Ph.D student, Department of Physics.

Presentation 5 3:20 – 3:35 pm
“Scalable Nanophotonic Interconnect for Cache Coherent Multicores”,
Randy Morris, Ph.D student, School of Electrical Engineering and Computer Science.

Presentation 6 3:35 – 3:55 pm
“Photomechanical effects based on photo-responsive Ruthenium sulfoxide complexes”,
Yuhuan Jin, Ph.D student, Department of Chemistry.