

Joint CQSE and CASTS Seminar

2018
Nov. 23, Friday

TIME Nov. 23, 2018, 15:30 ~ 16:30
TITLE Hybrid Colloidal Quantum Dot Optoelectronic Devices
SPEAKER Prof. Chien-Chung Lin
Institute of Photonic System, National Chiao Tung University
PLACE Rm716, CCMS & New Physics Building, NTU

Abstract

Colloidal Quantum Dots are nanocrystals made of semiconductors with highly efficient illumination capability. Their narrow linewidth of emission spectra, tunable emission wavelength and wide color gamut coverage are very attractive for next generation of light emitting devices. However, their reliability can be a critical issue and prevent them from further commercialization. We proposed and developed hybrid package methods to explore the possible paths for these promising materials in various optoelectronic devices. Results of highly efficient and reliable devices can be demonstrated and their analysis can be provided.

