

GRAPHENE AND RELATED MATERIALS FOR PHOTONICS AND OPTOELECTRONICS

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Graphene is an ideal material for optoelectronics. I will show that graphene-based integrated photonics could enable ultrahigh spatial bandwidth density, low power consumption for next generation datacom and telecom. Heterostructures based on layers of atomic crystals can also be exploited in novel optical devices, such as single photon emitters, and tuneable light emitting diodes.

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2:00 PM

CFEL
SEMINAR ROOMS I-III

