

Abstract Submitted  
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**Quantum model of capacitance of nanostructures**<sup>1</sup> JUNQIANG LU,  
University of Puerto Rico at Mayaguez — Modeling high-frequency electronic properties of nanostructures in nanocircuits presents particular challenge because of contribution from electrodes. In this talk, I present the difference in modeling steady and dynamic electronic transport properties of nano-gap structures and a quantum model to measure capacitance of nanostructures.

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