



Seminar Announcement

Reinvigorating Industrial Basic Research: Northrop Grumman NEXT

Presenters: Drs. Jesse Tice and Vincent Gambin

Location: Microelectronics and Engineering Research Center (MER 160),
Room 2.114, 10100 Burnet Road, Austin TX 78758

Time: Friday, September 30th, 2016, at 3:30 PM CDT.

Abstract: The Northrop Grumman Corporation has established a Basic Research organization encompassing a wide range of thrusts in Materials & Devices, Quantum & Condensed Matter, Design & Emergent Systems, and Atmospheric & Space Sciences of which an overview will be presented. This internally funded center is currently staffing up and rapidly expanding in unique capabilities, personnel, and laboratory space.

Jesse Tice is a Principal Scientist in Northrop Grumman's basic research center and directs the Nanomaterials Laboratory focused on molecular chemistry, novel nanomaterials synthesis, and physical characterization of nanomaterials. His research emphasis is in nanomaterials for aerospace and defense, and has led many applied research efforts and government contracts on thermal management technologies from the junction to radiator panel on aerospace platforms.



Vincent Gambin received his PhD from Stanford University in Material Science and Engineering. He is currently leading the New Semiconductors and Devices group in the Basic Research NG/NEXT organization and is the principal investigator for DARPA's ICECool Applications program. He has worked at Northrop Grumman for 14 years and was previously the section manager for semiconductor materials development in the Microelectronics center. He has been working in the field of RF electronics and optoelectronics, developing advanced GaAs, InP and GaN microelectronics.

