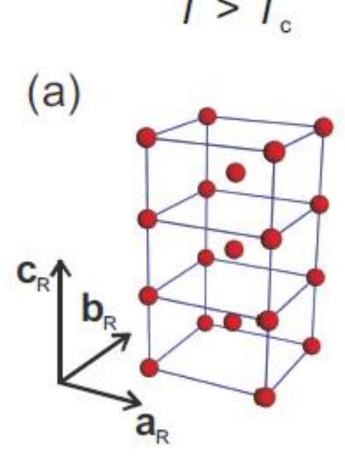
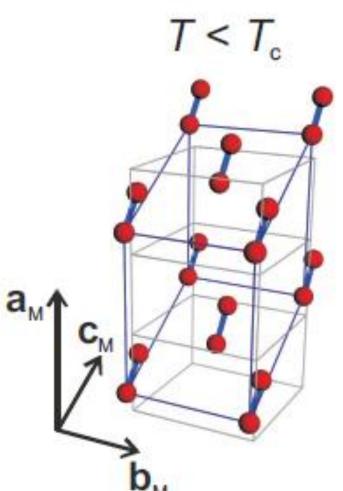


Abstract

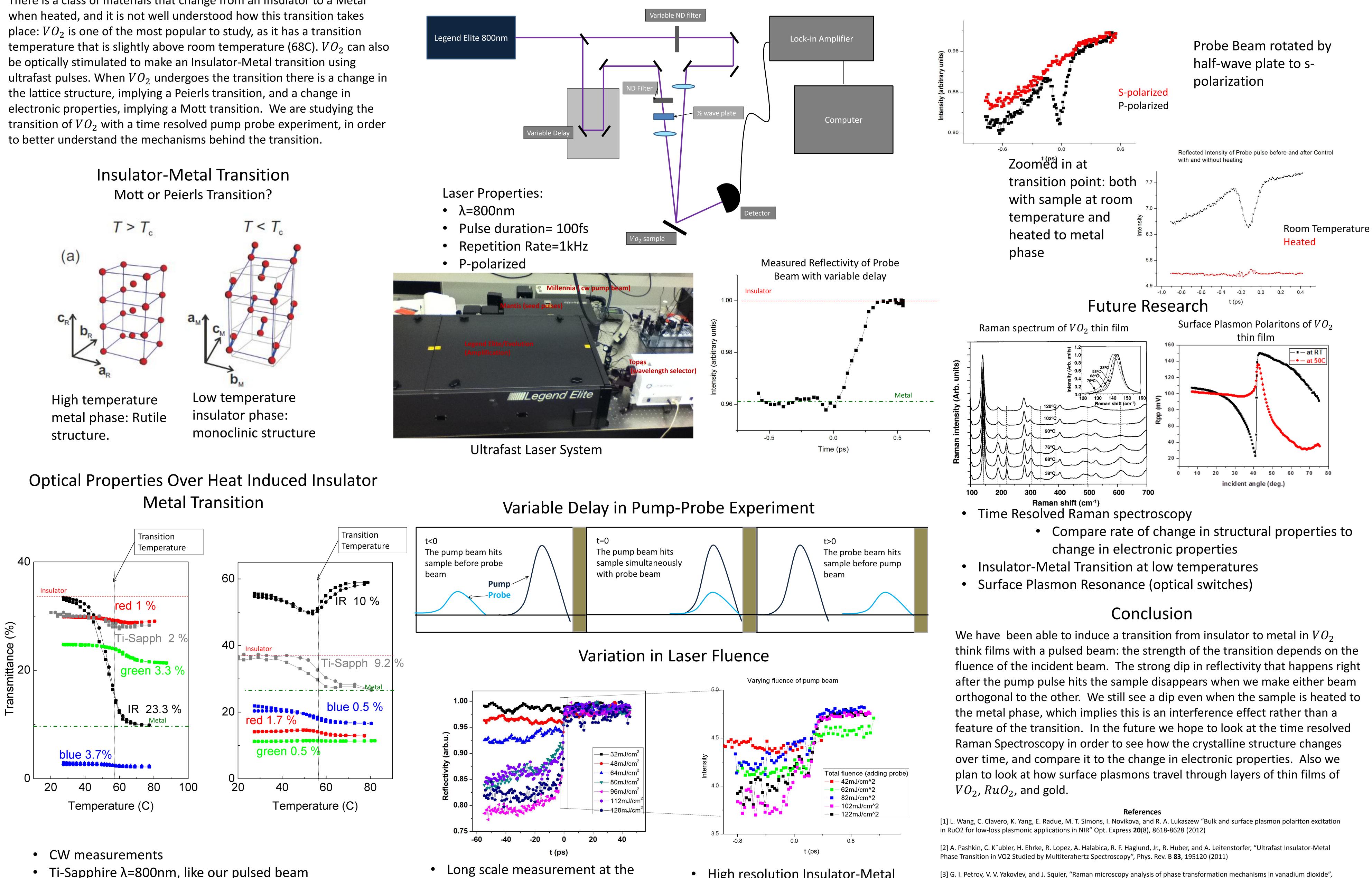
There is a class of materials that change from an Insulator to a Metal

Mott or Peierls Transition?





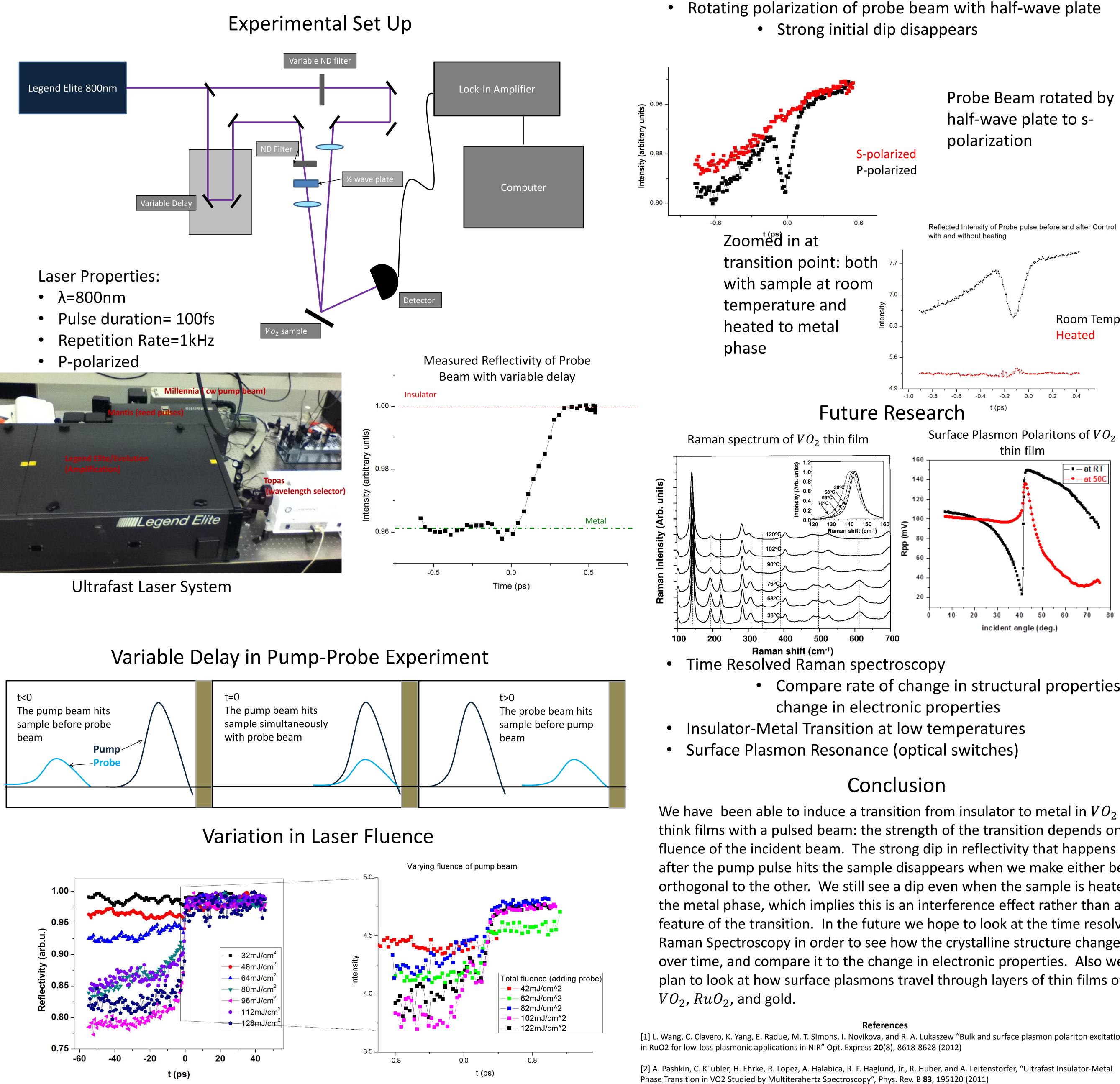
Metal Transition



- Ti-Sapphire λ =800nm, like our pulsed beam

Optically Stimulated Insulator-Metal Transitions in VO₂

Elizabeth Radue, Lei Wang, Matt T. Simons, Cesar Clavero, Irina Novikova, R. A. Lukaszew Department of Physics College of William and May



Insulator-Metal Transition with

varying fluence

 High resolution Insulator-Metal Transition with varying fluence





Relative Polarization of Pump and probe

Acknowledgements

This work is financed by NSF, DMR-1006013: Plasmon Resonances and Metal Insulator Transitions in Highly Correlated Thin Film Systems. We also acknowledge support from the NRI/SRC sponsored ViNC center.

Appl. Phys. Lett. 81, 1023 (2002)

