**NUCLEAR & PARTICLE PHYSICS SEMINAR**

**WHEN & WHERE**
Monday, December 2, 2019
2:30 p.m. | 618 VAN

**SPEAKER**
Mr. Calvin Mera
Department of Physics & Astronomy
University of Iowa

**TITLE**
“Instanton Floer Homology”

**ABSTRACT**
First, we review Witten’s reformulation of Morse theory in terms of supersymmetric quantum mechanics. Then, we generalize Witten’s work to a field theoretic setting and obtain Floer’s 3-manifold invariants called Instanton Floer Homology.

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