



University of South Alabama  
*Presents Colloquium Speaker*



**Dr. Kay Kinoshita**

Head, Department of Physics, University of Cincinnati

**Thursday, October 28, 2010**  
4:00-5:00 P.M., ILB 250



**Strange Beauty and Other Beasts: At and Above the  $\Upsilon(5S)$  with Belle**

The B-factories have successfully exploited the unique advantages of the Upsilon(4S) resonance to study many aspects of the  $B_d$  and  $B_u$  mesons. The Upsilon(10860) resonance, also known as Upsilon(5S), which is above mass threshold for the  $B_s$  and shares many of the same advantages, has been relatively unexplored. The Belle experiment has collected  $120 \text{ fb}^{-1}$  at the Upsilon(10860) and  $7.9 \text{ fb}^{-1}$  at higher energies, corresponding to more than 10 million  $B_s$  events. Recent results based on  $\approx 20\%$  of these data will be presented, and prospects for future possibilities will be discussed.

This colloquium is partly supported by APS. Refreshments are served at 3:45 p.m. Host: Dr. R. Godang