

CCSU  
DEPARTMENT OF MATHEMATICAL SCIENCES

# COLLOQUIUM

Friday, April 8  
2:00 – 3:00 pm in MS 101

## **Variational Principle for Relative $d$ -bar Entropy**

**Russell Coe**

Wesleyan University

### **Abstract**

Suppose  $(X, D_x)$  and  $(Y, d_y)$  are compact metric spaces, that  $T$  is a continuous map from  $X$  to  $X$ , and that  $S$  is a continuous map from  $Y$  to  $Y$ . Suppose also that  $\pi$  is a continuous map from  $X$  to  $Y$  so that  $\pi T = S \pi$ . I will introduce notions of topological and measure-theoretic entropy associated with  $T, S$ , and  $\pi$  and prove a variational principle relating these entropies.

***For further information:***

[gotchevi@ccsu.edu](mailto:gotchevi@ccsu.edu) (860) 832-2839