

# This Week in Physics

SYRACUSE UNIVERSITY  
College of Arts & Sciences

Week of

September 15, 2008

[http://www.phy.syr.edu/  
SeminarsEvents.htm](http://www.phy.syr.edu/SeminarsEvents.htm)

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## MONDAY, SEPTEMBER 15

Joint Relativity/Cosmology/High Energy Physics Seminar  
2:30 PM, Rm 202

**Prof. Lorenzo Sorbo (University of Massachusetts)**  
*Localized solutions on the Randall-Sundrum 2-brane*

## THURSDAY, SEPTEMBER 18

Colloquium

4:00 PM, Rm 202 (refreshments 3:30 PM, Rm 204)

**Prof. Anatoly Kolomeisky (Rice)**  
*How Proteins Find Their Targets on DNA: Mechanism of Facilitated Diffusion*

Proteins cannot start working until they find special target sites on DNA molecules. We analyze physical-chemical principles that govern these fundamental processes.

## FRIDAY, SEPTEMBER 19

Condensed Matter/Biological Physics Seminar  
11:00 AM, Rm 202

**Prof. Anatoly Kolomeisky (Rice)**  
*Complex Dynamics of Polymer Translocation: Effect of folded configurations and charge distribution*

