

# 2011 Vaden W. Miles Memorial Lecture

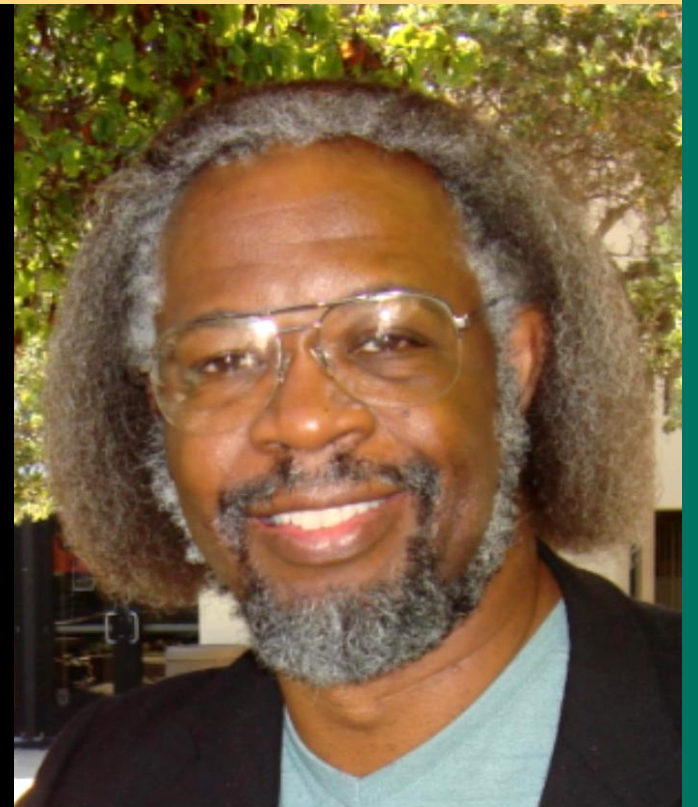
Thursday, March 3, 2011

## SUSY and the Lords of the Ring

### Supersymmetry Theory

### Sylvester James Gates, Jr.

John S. Toll Professor of Physics, and  
Director of the Center for String and Particle Theory  
University of Maryland, and member of the  
President's Council of Advisors  
on Science and Technology (PCSAT)



The last decade in physics has led to an array of new ideas including one called supersymmetry. SUSY is its shorter name. If valid, nature may soon begin to reveal the existence of “superpartners,” new forms of matter and energy. Names for such hypothetical objects such as selectrons, squarks, sneutrinos and winos have already been given. What are these objects? How does humanity learn more about them?

At the CERN laboratory in Geneva, the “ring” has reached completion and is achieving record-collision energies that will help rule upon them all. It is called the LHC (Large Hadron Collider).

*Come to this compelling lecture and learn about this Fellowship of the Ring.*

**Where:** **Spencer M. Partrich Law School Auditorium**  
471 W. Palmer Street  
Wayne State University  
Detroit, Michigan 48202

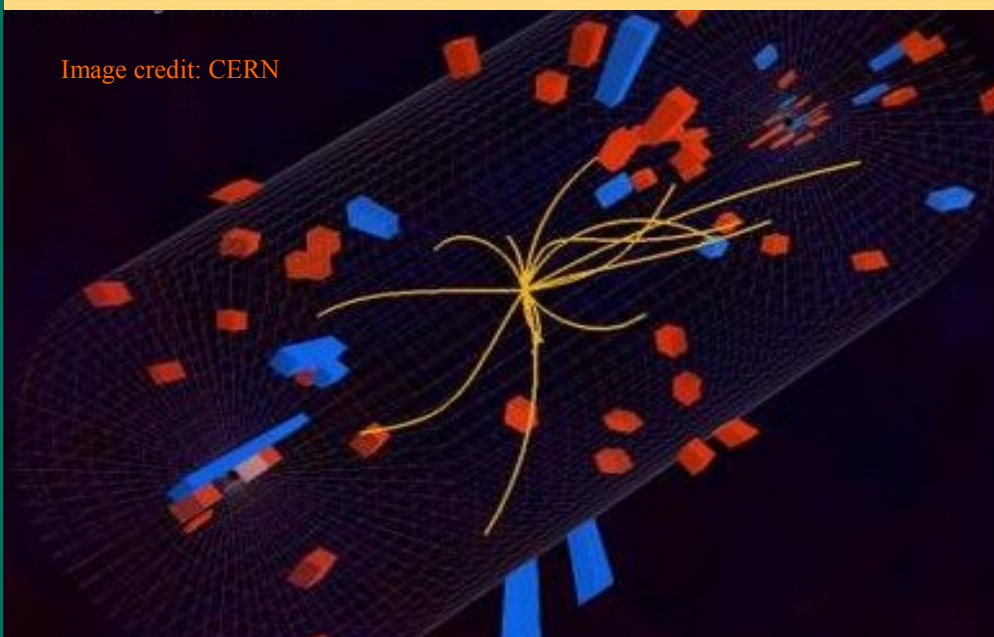
**Time:** Refreshments served at 3:30 pm  
Lecture from 4:00-5:00 pm

**Please RSVP at the WSU Events Calendar:**

<http://events.wayne.edu/2011/03/03/>

*Visit Seminars and Colloquia at <http://clas.wayne.edu/physics/> for additional information.*

Image credit: CERN



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