

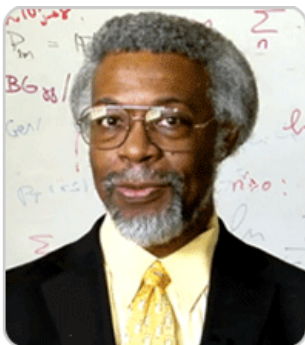
## Special Research Seminar

# Professor S. James Gates, Jr.

University System of Maryland Regents Professor,  
John S. Toll Professor of Physics,  
and Center for String & Particle Theory Director

Monday, April 29

4 P.M., Rm 118 NSH



## Adinkras as Four Dimensional Macrosopes

After an introduction to a class of graphs that encode the representations of simple off-shell supersymmetry in four dimensions, we discuss how Hodge Duality and Lorentz symmetry can be realized on the one dimensional structures. Thus, we demonstrate explicit mechanisms by which SUSY holography encodes aspects of four dimensional theories.