

Notice of a **FREE PUBLIC LECTURE** presented



by the **Australian Institute of Physics (SA branch)**

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in cooperation with the **IGA satellite workshop** to  
**"Mathematics of String Theory 2006"**

at **7:30 pm** on **Friday 21<sup>st</sup> July 2006**

in the **Rennie lecture theatre, Johnson building**  
at the **University of Adelaide**

# **"If You Knew SUSY "**

**Professor Sylvester  
James Gates Jr**

***John S. Toll Professor of  
Physics  
University of Maryland***



## **Abstract:**

Ever so often scientists dream of the existence of a new form of matter in our universe. One example of this can be seen with the suggestion of the electron made by G.J.Stoney in 1874. Today this idea is at the heart of the wealth of advanced nations. Around the early 1970's, scientists began to suggest even newer forms of matter called 'superpartners' which are one of the possible signatures that Superstring/M-theory might be more than just a speculation. This lecture provides an accessible introduction to the concept of 'supersymmetry' or SUSY.