# Adinkra Jazz

Part of the Residential Scholars Program at Simmons Hall

## Featuring original live jazz performances!

### Simmons Hall Multipurpose Room
### November 19, 2010 at 6:00 PM

**S. James Gates** is the John S. Toll Professor of Physics at the University of Maryland, College Park and serves on President Obama's Council of Advisors on Science and Technology. He is known for his work on supersymmetry, supergravity, and superstring theory and has been featured on several PBS *Nova* programs.

**Stephon Alexander** is an Associate Professor of Physics at Haverford College. Focusing on theoretical cosmology, quantum gravity and particle physics, he has studied at Brown University and done postdoctoral research at Imperial College, London and at the Stanford Linear Accelerator Laboratory. Alexander plays jazz saxophone and sees improvisation as an extension of his scholarship, having played with 3-time Grammy Award Winner Will Calhoun and collaborated with Brian Eno.

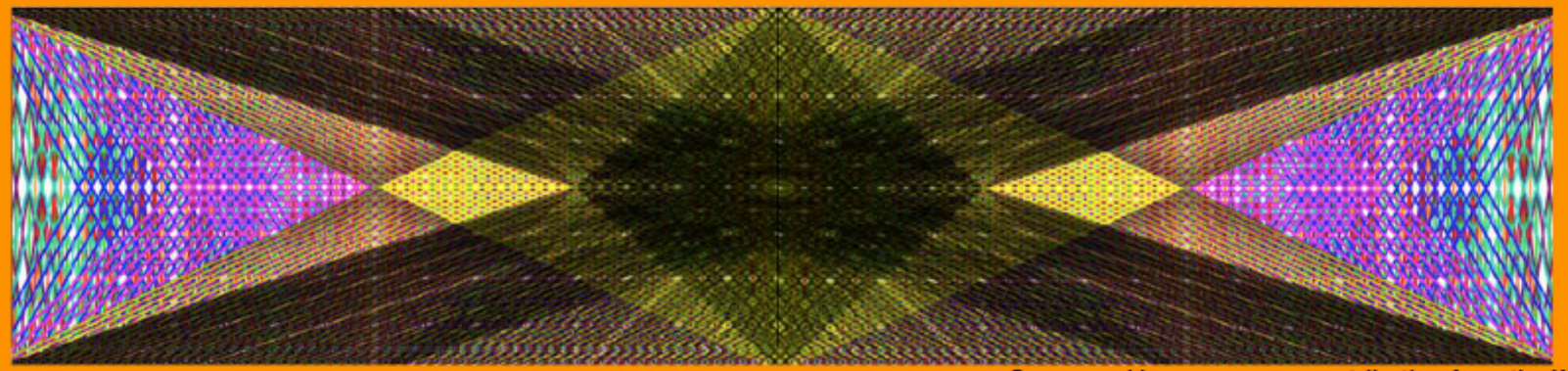
Guitarist **Daniel Lippel** is active as a soloist, chamber musician, and recording artist. Recent performances include a solo tour of Germany, recitals in Istanbul, Chicago, and New York, and chamber music performances on Helsinki's Musica Nova Festival, the Macau International Music Festival in China, and on the Mostly Mozart Festival at New York's Alice Tully Hall.

Prof. Jim Gates led an interdisciplinary team of mathematicians and physicists that discovered, hidden in supersymmetric equations, strings of bits and Adinkras - their symbolic representations which Prof. Alexander asserts possess symmetries reminiscent of the western musical scale.

Adinkra Jazz will open with a discussion by Dr. Stephon Alexander on the role of symmetry in physics, music and cosmology and end in a performance with pieces inspired by Adinkra diagrams.

Dr. Alexander will be accompanied by world-renowned composer and guitarist Dr. Daniel Lippel to perform original compositions that are based on symmetries found in fundamental physics.

## Dinner will be provided!



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