

CCSU
DEPARTMENT OF MATHEMATICAL SCIENCES
COLLOQUIUM

Friday, September 23
4:30 – 5:30 PM
Maria Sanford, Room 101

**SPINORS, CLIFFORD ALGEBRAS
AND COMPOSITION ALGEBRAS
FROM SEVERAL VIEWPOINTS**

FRANK GOULD

CENTRAL CONNECTICUT STATE UNIVERSITY

Abstract: We explore the connections between rotations, Lorentz transformations, Clifford algebras, and spinors, and we compare the way a physicist might approach the subject versus a mathematician. Time permitting, we compare the Clifford algebras with the four composition algebras over the reals, and take a quick look at what the octonions have to do with the special Lie groups.

For further information:
gotchevi@ccsu.edu 860-832-2839
<http://www.math.ccsu.edu/gotchev/colloquium/>