

**CCSU**  
**DEPARTMENT OF MATHEMATICAL SCIENCES**  
**NSF-STEM SCHOLARSHIP PROGRAM AT CCSU**

# COLLOQUIUM

Friday, November 6  
2:00 – 3:00 PM  
Maria Sanford, Room 101

## **QUADRATIC FORMS: FROM LOCAL TO GLOBAL**

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**WESLEYAN UNIVERSITY**

### **ABSTRACT**

An integral quadratic form is called regular if it represents all integers which cannot be ruled out by congruence consideration. Examples are the sum of four squares and the other universal quadratic forms. The goal of this talk is to first review the local-global principle of Hasse and Minkowski, and then describe some of the recent advances on the study of regular quadratic forms and generalizations, with emphasis put on various finiteness results.

*For further information:*

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