

**CCSU**  
**DEPARTMENT OF MATHEMATICAL SCIENCES**

# COLLOQUIUM

Tuesday, October 19  
12:30 – 1:30 PM  
Maria Sanford, Room 101

## **ROBOT MOTION PLANNING**

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### **ABSTRACT**

What is the space of all possible ways robots can move in a room? What happens when we place obstacles in their path? We not only look at the important subject of robot motions but look at the ideas behind robot collisions. This leads to worlds of polyhedra, tilings, string theory, and phylogenetic trees. During this adventure, we visually learn what multiplication is really about as well as learning to draw in higher dimensions. This talk is heavily based on pictures and no background is needed.

***For further information:***

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