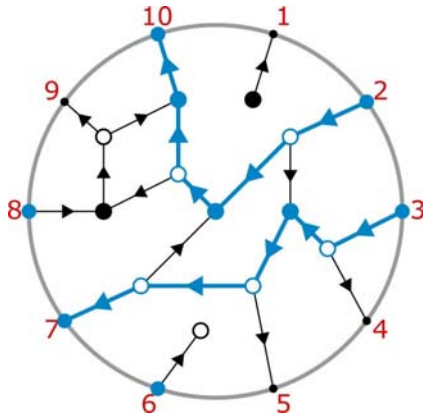


# Department of Mathematics

## *Fall 2015 Colloquium Series*



### **"Positroids, $1/e^2$ , and a conjecture of Da Silva"**

**Dr. Federico Ardila,**

Professor of Mathematics,

San Francisco State University; Universidad de Los Andes, Colombia

**Thursday, September 17, 2015**

**Behavioral and Social Sciences Building Room 166, 4 p.m.**

Positroids are beautiful objects which have been discovered independently at least twice: - In 1987 Da Silva defined "positively oriented matroids" as generalizations of the cyclic polytope, the polytope of  $n$  vertices and  $d$  dimensions with the largest possible number of faces.

This talk will assume no previous knowledge of these objects, and will be accessible to undergraduates. It is based on joint work with Felipe Rincón (Los Andes) and Lauren Williams (Berkeley).

For a complete abstract, go to <http://www.humboldt.edu/math/news-and-events/math-colloquium>

***We invite you to the Pre-colloquium Tea on the third floor of the BSS building at 3:30 on Thursday.***