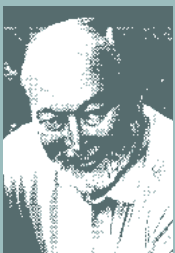




## G. Milton Wing Lecture Series April 2016



WITH GUEST LECTURER **Donald Saari**  
Distinguished Professor of Mathematics and Economics  
and Director of the Institute for Mathematical  
Behavioral Sciences at the University of California Irvine

### It's an Election Year! But Will Voters Elect Whom They Want?

Public Lecture

**Tuesday, April 19, 5–6:15 p.m.**  
**Goergen Hall, Room 101**

A contentious election year! But will the outcomes reflect what the voters really want? Is the Oscar winner who the voters really preferred? Surprisingly, mathematics is proving that the way in which the ballots are tallied makes a significant difference in the outcome. So, does a surprise Grammy winner reflect the voters' intent—or the choice of the voting rule? In this public lecture, where only the ability to count is needed, it is shown how mathematics is explaining many paradoxical election outcomes. Be prepared to leave worried about the last election of importance to you.

### Mathematics and the Dark Matter Mystery

**Wednesday, April 20, 5–6:15 p.m.**  
**Hylan Hall, Room 202**

One of the more compelling scientific mysteries is the astronomy puzzle of dark matter. Although there is a reasonable amount of circumstantial evidence that this material exists, it has yet to be found. As described in this lecture, much of the analysis must come from mathematics. Arguments coming from celestial mechanics will raise doubts about one of the standard arguments.

# Unravel It with Math



**Lecture Series Sponsored by  
the Department of Mathematics**