

**The Charles Phelps Taft Research Center
and The Department of Mathematical Sciences**

Present a colloquium with

Professor Larry Goldstein

University of Southern California

Tuesday, September 29, 2015

4 – 5 pm

**Taft Research Center
Edwards I, Suite 1110B**

Adventures in Mathematical Consulting

Experience from four diverse consulting projects will be presented, ranging from the calculation of the winning odds in some simple and complicated sweepstakes giveaways to the physics of free falling luxury cars. Mathematical topics employed range from elementary probability, statistics, the birthday coincidence problem, size biasing, insurance risk calculations, linear regression, the Central Limit Theorem, Newtonian mechanics and the Stokes equation. Some lessons learned during the course of mathematical consulting will be summarized.

**Refreshments will be served 3:15 – 3:45 pm in the
Faculty & Graduate Student Lounge, Rm 4118 French Hall West**