



The Math Colloquium
Department of Mathematics
San José State University



Peter J. Haas

IBM Almaden Research Center

*Splash: A computational platform
for collaborating to solve
complex real-world problems*

JANUARY 23, 2013, MH320

Abstract: Computer modeling and simulation is an important decision-making tool that allows deep “what-if” predictive analysis of the consequences of alternative decisions. This talk describes IBM’s Splash platform, a research prototype for composing heterogeneous, pre-existing simulation models, statistical models, optimization models, and datasets. Splash’s “loose coupling” approach to model composition greatly facilitates interdisciplinary collaboration to solve hard problems, and also leads to an array of mathematical and engineering challenges.

Background: Students should be familiar with introductory-level concepts of calculus, computing, and statistics.

About the speaker: Peter J. Haas is a Research Staff Member at the IBM Almaden Research Center in San Jose and a Consulting Professor in Management Science and Engineering at Stanford University. His interests include simulation, statistics, applied probability, and information management. He was recently named an IBM Master Inventor.

SNACKS IN MH331B AT 2:30 PM

TALK STARTS AT 3 PM

For more information, see our full schedule at:

<http://www.math.sjsu.edu/~hsu/colloq/>