 

# MATHEMATICS COLLOQUIUM

**Distinguished Lecture for Students**



**Dr. Knut Solna**

**Some perspectives by a UCI mathematician**

Monday, October 7th, 2024

5:30pm – 6:30pm

This will be hosted in FO3-200A.

*No prerequisite required -- the talk is intended for students and a broad audience.*

#### Abstract:

Many problems are characterized by uncertainty and best modeled using a probabilistic framework. In this talk I will describe aspects of my research relating to mathematical finance where uncertainty plays an important role. I will moreover describe the UCI mathematics program and aspects of applying to a graduate program.

**Short Bio:**

Knult Solna is a Professor and Vice Chair for Graduate Studies in the Department of Mathematics at UC Irvine. He received his Ph.D. in 1997 from Stanford University, under the supervision of George C. Papanicolaou.

Dr. Solna's research interests span applied mathematics, applied probability,stochastic differential equations, mathematical finance, and waves in random media. He has received numerous accolades, including the Sloan Fellowship, an instructorship award from the University of Utah, a Fulbright Award, and research grants from the Air Force Office of Scientific Research and the National Science Foundation.

In addition to authoring over 100 high-impact research publications, Dr. Solna has written and edited five books on topics such as econometrics, risk management, and mathematical and statistical models for imaging, among others.