



# 4<sup>TH</sup> ANNUAL CALVIN & JEAN LONG LECTURE



The Department of Mathematics & Statistics at Washington State University welcomes



**Dr. Lawrence Craig Evans**

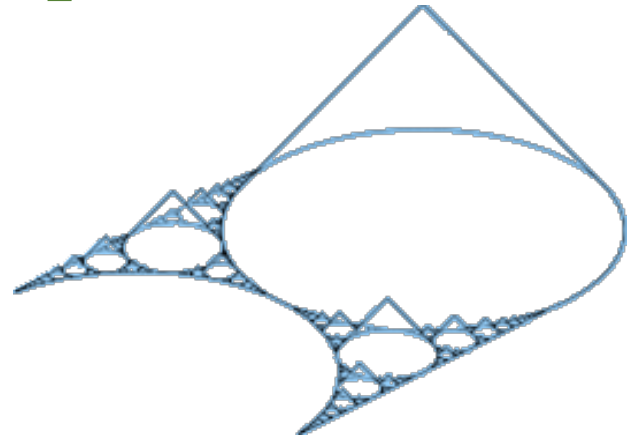
University of California, Berkeley

*Professor of Mathematics*

*Fellow of AAAS, of AMS,  
and of the National Academy of Sciences*

## Hidden Convexity in Nonlinear Differential Equations

In this expository lecture, I will discuss how nonlinear problems with convex nonlinearities are usually pretty tractable, but that this convex structure may sometimes be "hidden". Examples will include equations for growing sandpiles, for traffic flow, for optimal mass transport and several others.



**Wednesday, October 24<sup>th</sup>, 2018**

**7:00 pm in Spark G45**

Free and open to the public, reception immediately following in Neill 216

*The Calvin and Jean Long Distinguished Lecture in Mathematics brings internationally renowned mathematics scholars to the WSU Pullman campus each fall. The lecture honors former department chairman and professor emeritus Calvin Long and his wife Jean who arrived at WSU, then WSC, in the fall of 1956. After working in the Mathematics Department at WSU for 36 years he retired in 1992.*

**Department Colloquium Tuesday, October 23<sup>rd</sup> at 4:10 pm, Neill 5W**