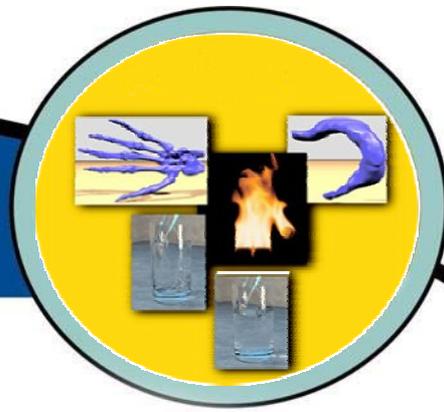


# IMS Public Lecture



## Mathematics in the Real World and the Fake World



**Speaker:** Professor Stanley Osher  
University of California, Los Angeles

**Date:** Thursday, 18 December 2003

**Time:** 6:00 pm - 7:00 pm

**Venue:** LT 33 (SoC 1, #02-36)  
School of Computing  
National University of Singapore  
3 Science Drive 2

FREE ADMISSION

### Abstract

With the advent of the computer we can now develop algorithms that perform incredible tasks—special effects in Hollywood, catching bad guys on video, predicting all kinds of natural and unnatural phenomena. A common theme in these algorithms is rather elementary geometry. In this talk the speaker will discuss geometric algorithms and their applications in every day life.

### About the Speaker

Stanley Osher is the Director of Applied Mathematics at the University of California, Los Angeles. He has won many awards, including the NASA Public Service Group Achievement Award and the Pioneer Prize of the Society for Industrial and Applied Mathematics. He is the co-inventor of various methods in applied mathematics and scientific computing. His work has been written up numerous times in the scientific and international media. He has co-founded three companies based, in part, on his own research.

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