



Physics Colloquium

Friday August 31st, 2012
4:10 – 5:00 pm, EPS108

**“Confluence: Some Patterns in Nature, Mathematics and Poetry
or
Why Artists Should Care About Mathematics”**

Dr. Michael G. Smith,

Abstract:

Nature provides templates for patterns and symmetry in myriad forms. Poets, artists, mathematicians and scientists, in turn, illuminate these patterns and symmetric forms. In this talk I will discuss several numerical constants, patterns and symmetries found in Nature, and illustrate how poets and artists have adopted and adapted them with examples given from important numerical constants and poetic forms, such as the Fibonacci and the modern form of fractal poetry.

Biography: Michael G. Smith, Ph.D., is a semi-retired chemist and adjunct mathematics professor. His poetry has been published many literary journals including in *Borderlands: Texas Poetry Review*, the *Kerf*, *Nimrod*, the *Santa Fe Literary Review*, *Sulphur River Literary Review*, and *Superstition Review*. An outdoor enthusiast, he lives in Santa Fe, NM.

Host:

Dr. John Neumeier

**Refreshments 3:45 p.m.
EPS 2nd Floor Atrium**