

## The 2002 James “Duke” Sehnert Memorial Lecture

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This year's Sehnert lecturer will be

Ivars Peterson

Mathematics Writer and Online Editor for Science News

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The lecture will be held *Monday, October 28, 2002 at 7:30 pm, in room BEP 200 (Business-Education-Psychology Center):*

### **MOEBIUS MADNESS**

Since its discovery in the 19th century as a mathematical object of interest, the astonishing one-sided, one-edged Moebius strip has confounded and fascinated generations of people, inspiring magic tricks, stories, patents, logos, artworks, cartoons, movies, fashion statements, playground equipment, and much else. Learn more than you ever thought possible about this intriguing twist of mathematical imagination.

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Also Monday, *at 3:05 pm, room ST 245 (Applied Science and Technology Center):*

### **CHAOS IN NEWTON'S CLOCK**

The Tilt-A-Whirl amusement park ride serves as wonderful, contemporary example of chaotic dynamics in a physical system. Historically, nonlinear dynamics and chaos first surfaced in the disturbingly irregular movements of the "wandering" stars and particularly the moon. The remarkable insights of Johannes Kepler, Isaac Newton, and Henri Poincare led the way to celestial mechanics and modern notions of chaotic dynamics.

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