



Pacific Institute *for the*
Mathematical Sciences

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PIMS Public Seminar

Thursday, May 29, 2014

4:00 pm

Reception at 3:30 pm

ESB 1013

2207 Main Mall

The University of British Columbia



Jim Gates (University of Maryland)

*From the Adinkras of Supersymmetry to
the Music of Arnold Schoenberg*

The concept of supersymmetry, though never observed in Nature, has been one of the primary drivers of investigations in theoretical physics for several decades. Through all of this time, there have remained questions that are unsolved. This presentation will describe how looking at such questions one can be led to the 'Dodecaphony Technique' of Austrian composer Schoenberg.

JIM GATES is a theoretical physicist known for his work on supersymmetry, supergravity and superstring theory. He is currently a University System of Maryland Regents Professor, the Toll Professor of Physics, and the Center for Particle and Theory Director. He serves on the U.S. President's Council of Advisors on Science & Technology and the Maryland State Board of Education.

Gates is the recipient of the 2011 U.S. Medal of Science, the 2013 Mendel Medal, and a member of the U.S. National Academy of Sciences, the American Philosophical Society, and the American Academy of Arts & Science.

INFORMATION AND REGISTRATION: WWW.PIMS.MATH.CA/SCIENTIFIC-EVENT/140526-PPSJG