



## **UNM-PNM STATEWIDE MATHEMATICS CONTEST LECTURE**



**Symmetry and the Tessellation Art of M. C. Escher**

**Dr. Billy Brown**

**Department of Mathematics and Statistics**

**University of New Mexico**

In this illustrated presentation, I will introduce the basic concept of symmetry, show how symmetry appears in the created objects of many cultures, especially Islamic, and give a short survey of the tessellation art of the famous Dutch graphic artist Maurits Cornelius Escher (1898-1972).

It may become clear why Escher is the favorite artist of many mathematicians, scientists and engineers. A one-page handout will give the audience members an opportunity to analyze the symmetry aspects of several patterns.

**About the speaker:** Dr. Billy Brown received his PhD degree in Mathematics from the Dartmouth College, Hanover, NH in 1972. He worked as a Mathematics Professor at University of the Pacific, Stockton, CA from 1970-1984. From 1984-1996, He worked at the Intel Corporation at various positions (IT, Office Automation, Artificial Intelligence, Automation Training). He received the Intel Corporation Community Contribution Award for organizing the 1991 exhibit "Escher in Albuquerque". He is currently a math instructor at the Department of Mathematics and Statistics, University of New Mexico. Dr. Billy Brown's life purpose is Joy, which includes the Joy in sharing his passion for the work of M. C. Escher!

**Public Lecture in Science and Math Learning Center**

**Saturday, February 2, 2019, Room 102 at 10am**

**Refreshments served before lecture. All are welcome.**

**<http://mathcontest.unm.edu/>**