

SOCIETY OF PHYSICS STUDENTS (SPS) COLLOQUIUM

# Theory of Superstrings and Escher's Graphics

Alla Zilichikhis, PhD

Sometimes art and literature are wiser than science is. They can be ahead of science in exploration of the Universe. One reason is that our emotions and feelings are much more involved in art and literature. Therefore, we are capable of and should emphasize the relationships between art, literature, and science in our teaching. Using the proposed way of teaching we can present very advanced topics to our students on all levels. The experience of more than 40 years of teaching Physics at many different schools and countries support the ideas of activating and mobilizing intellectual abilities in students. Here I present a lecture "Theory of Superstrings and Escher's Graphics" that is an example of such ideas in teaching. I give this lecture regularly to a wide range of students from middle school (during yearly Physics Day at CSU) up to the university level [1, 2].

[1]"A Century of Physics" American Physical Society 11 posters. Credits are also listed at [www.aps.org/credits/](http://www.aps.org/credits/) [2]Alla Zilichikhis, "My Key to Success in Teaching" in Proceedings of AAPT Meetings Ohio Section, V.16, N 1

**WHERE**

**SI – 117**

**WHEN**

**11:55am**

**Thursday, April 19, 2007**

*Pizza served before the colloquium*