SEMINAR

Introduction to Quantum Physics

(Basics of Quantum Mechanics)

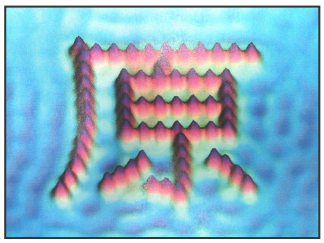
Lecturer: GRABOVSKY Sergey, Ph. D.

In this class we will discuss the quantum theory – theory that describes the physics of microworld. Why the appearance of new physics was necessary in 20-th century. Quantization in physics, quantum model of the matter, photon theory of the light. Mechanics of the atom and electron. Analysis of fundamental physics effects and its quantum explanation.
Examples of application of quantum physics in science, technology and everyday life.

On each seminar computer presentation will given and educational materials for the students will be provided.

Main literature:

1. Sear's and Zemansky's University physics: with modern physics. H.D.Young, R.A.Freedman. 2004
2. Quantum mechanics: an Introduction. W.Greiner, 3-ed, Berlin: Springer-Verlag, 1994.



The class is for students of 1-4 grades.
Also this seminar may be useful for elder grades to practice scientific English.

Period:	From October 2010 till February 2011
Time:	Wednesday, 18:30-20:00
Room:	Faculty of science bld.№2, room 2-4-05

First seminar will be held on 20-October.
Please send e-mail with your name before this date.

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