



Lifelong  
Learning



## Certificate of Achievement

Awarded to

-----  
to acknowledge that his/her poster, submitted to the competition in the frames of the international cooperation project "Nanotech Science Education" (NTSE) was displayed at the 3rd International Advances in Applied Physics and Materials Science Congress (APMAS) on 24-28 April 2013 in Antalya, Turkey.

We congratulate you for the fine work you have done with your poster presentation.

Ahmet Yavuz Oral  
NTSE Project Expert

Zuhal Yılmaz Doğan  
NTSE Project Coordinator



## Experiments room

## Understanding Nanoscale

We do not see objects or measure distances in the nanoscale in our daily life. Comparing the size of objects in the nanoscale with our daily life is only possible with fun examples resembling nanoscale.

## Making Origami Buckyball

A buckyball is a molecule containing 60 carbon atoms. Each carbon atom is bonded to two other carbon atoms. This unique molecular shape and carbon grouping forms a sphere. This unique molecular shape and carbon grouping forms a sphere.



## Nano-Tech Science Education (NTSE)

NTSE is an international cooperation project, the aims which is to utilise ICTs as a tool to make the learning of science subjects more attractive and accessible. The project established a Virtual Laboratory as an experimental aid aimed to support the science learning of students from the general and vocational schools and colleges, as well as the work of their teachers and the training of young prospective teachers in science subjects. The NTSE Virtual Laboratory is available on-line at: <http://vlab.ntse-nanotech.eu/>. It serves as a hub for science learning-related aids and resources, as a platform for implementation of virtual science lessons, as a database of teaching materials and illustrated experiments on nano-sciences and nanotechnology.

In the beginning of 2013 NTSE project partners organised a poster competition in which 145 school students at the age of 13-18 years took part.

The evaluation of the posters was processed in two stages –on-line voting implemented between 1st and 24th April 2013 and academic voting performed by the delegates in the APMAS 2013 Congress ([www.apmas2013.org](http://www.apmas2013.org)) which was held in Antalya on 24th-28th April 2013.

The authors of the best posters, selected through the voting are awarded with certificates and will take part in a one-week Science Camp in Bulgaria in July 2013.

The NTSE project is implemented by partner institutions from five countries – Turkey, Bulgaria, Greece, Italy and Romania – with the financial support of the European Commission under Lifelong Learning Program (project ref. No 511787-LLP-1-2010-1-TR-KA3-KA3MP).