

**„For myself, I declare I don't know anything about it. But the sight of the stars always makes me dream”**  
Vincent van Gogh

Using the quote of the famous painter Vincent Van Gogh, one can stress the indispensable influence of creativity on science. All scientific fields were firstly born in the domain of ideas or dreams, and lately they were found, described and explained using advanced scientific tools.

Nowadays, all the electronic devices are more popular and popular; however, these were not available in the nineteenth century. In such a way, the pioneers of electronic inventions have 'moved' from the domain of dreams to the domain of the action.

This project continues the concept of ideas that at first view seem ridiculous – in fact we consider weighing the ions adsorbed on the polarized surface in the activated carbon pores. Devices considered to be used in the project are already known and quite often used in laboratory practice. However, the novelty of our concept is not hidden in the measurement technique, but in applying it into new, undiscovered field: namely, **to accurately describe and correlate the transport of ions in the electrolyte bulk and at the electrode/electrolyte interface**. Finally, we would like to propose the model of ions transport in the bulk of electrolyte towards the surface of porous carbon material.

Due to the continuous development of new energy storage technologies, we would like to stop for a while for investigation of the fundamental phenomena and describe the operation mechanism of modern energy storage devices.