

## **Abstract**

Ordering of organic molecules can be controlled by an electric field of the scanning tunneling microscope (STM). For utilization of such artificially created supramolecular structures, knowledge about its stability is required. Using selected molecules, evolution of molecular structures will be observed by STM. Impurity of chemically different molecules will be used for monitoring inner stability of the islands, The experimental part of work will be accompanied by Monte Carlo simulations of a model case with a simplified symmetry.