You are cordially invited to the lecture of probability. The lecture acquaint the basic concepts andprobabilistic techniques. Many of them have application in the analysis and design of algorithms available today, which will be illustrated numerous examples of the use of probability issues typically information. The lecture is dedicated to computer science students who would like to know arcana probability to apply them in the analysis and design of algorithms graph, linear programming, computational geometry,-theoretic algorithms figures.

Program:
- The first part of the lecture will be devoted to classical notion of probability and the concept and properties of random variables.
- In the second part we will talk a bit more advanced topics, like Limit Theorem, Markov processes.

- Introduced the concept will be illustrated with examples of applications in computer science, for example, in constructing efficient sorting algorithms, problems collector   lemma Lovász.

Requirements: mathematical analysis.