



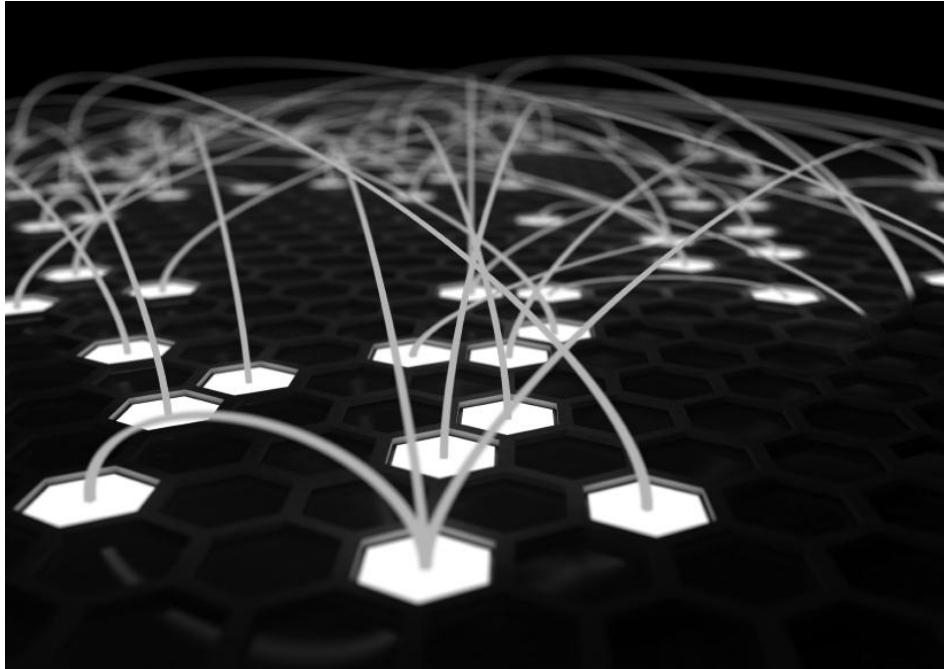
Faculty of Cybernetics

<http://cyb.univ.kiev.ua>

Department of Applied Statistics

<http://applstat.univ.kiev.ua>

(System analysis specialization))



Analysis and optimization of mobile networks

Mathematical models of queueing systems are commonly used in analysis of phone and computer networks, telecommunication systems of different architecture and complexity, aviation, etc. There is no doubt in the importance of such researches and skilled specialists in this area can apply their knowledge while working in telecommunication companies, cloud computing and network service providers.

Department of Applied statistics took part in the following projects in this area of researches:

- INTAS-project "**Development of retrial queueing systems theory**" (reference number INTAS-96-0828, 1996-1998), that was researched by joint efforts of Ukrainian, Russian, Belarussian, Spanish and Holland mathematics;
- Science collaboration project "**Asymptotic analysis of random flows and networks**" (2007-2009) between German and Ukrainian scientist supported by Deutsche Forschungsgemeinschaft and Ukrainian Academy of Science;
- "**Analysis and optimization of retrial queueing systems**" project (F25.1/094, 2007) supported by State fund of fundamental research, which was developed by Department of Applied statistics and Institute of Cybernetics;
- "**Development of mathematical research methods of Markov systems with retrials and controlled local parameters**" project (F25.1/094, 2008) supported by State fund of fundamental research.