



National technical University "Kharkov polytechnic institute"  
Faculty "Computer and Information Technologies"  
Department of "Informatics and Intellectual property"



## Fields of study

**Computer science and information technologies** - development, testing and support of information systems mathematical and information software, development and administration of databases and systems, as well as other applications in the field of information technology.

**Data and knowledge engineering** - data integration, knowledge engineering, business analysis, cloud computing; Technologies for intellectual processing of large volumes of information, service-oriented architecture, databases and knowledge.

**Intellectual property** - Intellectual property law; The basis of administrative civil and criminal law in the field of intellectual property; Legal regulation of information activities; International law and cooperation in the field of intellectual property; Commercialization of software and information technology



## Software and information technologies:

Java

C++

PHP

XML

IBM DB2

Eclipse

MS SQL Server

MySQL

Oracle

IBM Rational Software

Platinum BP/ER Win

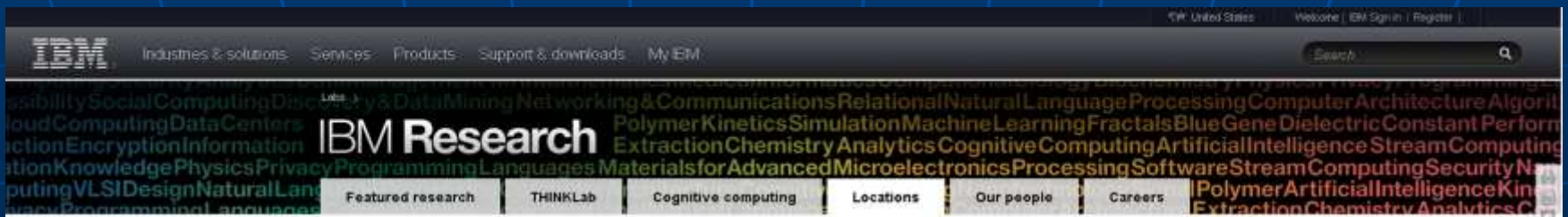
*J2EE* = Java Enterprise Edition

*LAMP* = Linux/Windows + Apache + PHP + MySQL



## Prospects for employment:

1. Professional activity as a specialist in the development of mathematical, information and software information systems, in the field of information technology, as well as the administrator of databases and systems.
2. As an analyst working with data: machine learning engineer, business analyst, business process researcher, information analyst, web site optimizer, architect of physical networks of objects - Internet of things, specialist in information security.
3. As an intellectual property professional: in positions of experts, consultants, patent attorneys, appraisers and auditors of intangible assets, attorneys and judges, members of the antimonopoly committee and other bodies specializing in the field of intellectual property.



# General academic disciplines for the students of our department (bachelor's level)

Object-oriented programming

Cross-platform programming

Intelligent Data Analysis

Designing of information systems

Organization of databases

Web technologies and web design

Computer graphics

System analysis



# The main academic disciplines for students of our specialty ("master" level)

Data and knowledge engineering; Fundamentals of Information Security; Data analysis technologies; Architecture of data-based systems; Intellectual information systems based on knowledge; Knowledge management technologies; Information business analytics; Designing knowledge-oriented information resources and systems; Visualization of data and knowledge; Parallel and multiprocessing data and knowledge processing; Cognitive Computing Technologies



# The main academic disciplines for students of our specialty ("master" level)

Innovative management

Accounting and audit of intangible assets

Intellectual property in the legal system

Project and investment management

Legal regulation of information activities

Marketing of intellectual property

International law and cooperation in the field of intellectual property



## Our contacts:

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