

# **Mediator between Computer Science and Classic Law Education: Russian Experience**



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**INTERNATIONAL CONFERENCE ENGINEERING TECHNOLOGIES  
AND COMPUTER SCIENCE: INNOVATION & APPLICATION**  
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# RELEVANCE AND REGULATORY FRAMEWORK

- The development strategy of the information society for 2017-2030 (Decree of the President of the Russian Federation of 05.09.2017 No. 203)

## *The need for training qualified personnel in the field of information technology*

- The National Project “Digital Economy of the Russian Federation” (created by Decree of the President of the Russian Federation V.V. Putin dated May 7, 2018 No. 204)

# GLOBAL RISKS 2020

1. Geopolitical and economic differences
2. Climatic threats
3. Proliferation of weapons of mass  
destruction
4. Water crisis
- 5. Large-scale cyberattacks**

# LEGAL STATISTICS

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By 2022 – a deficit of **1.8 million specialists** in the field of information security

**75%** will be existing employees whose competencies and skills will not meet the conditions and tasks

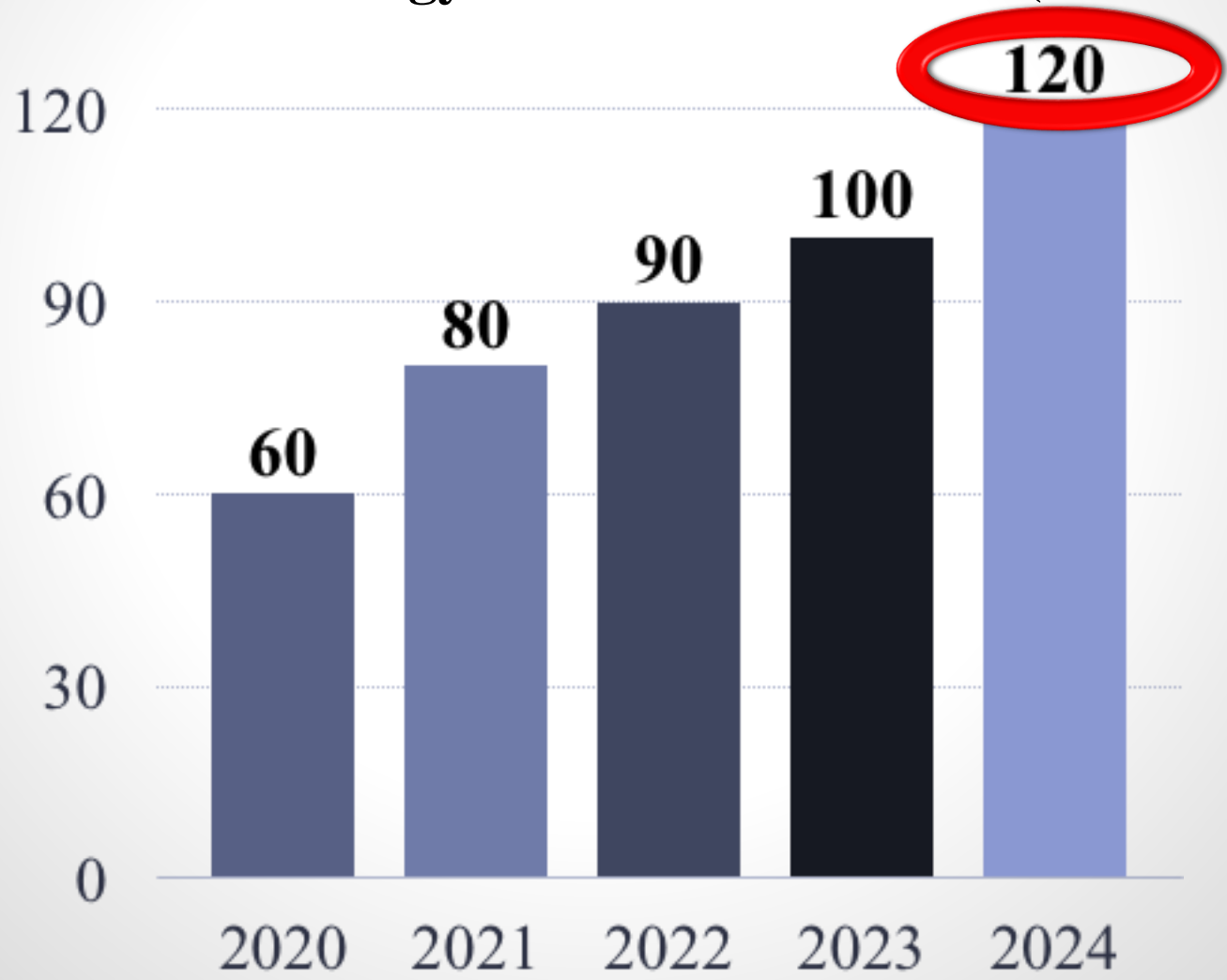
*Cybersecurity Jobs Report 2019*

*Herjavec Group*

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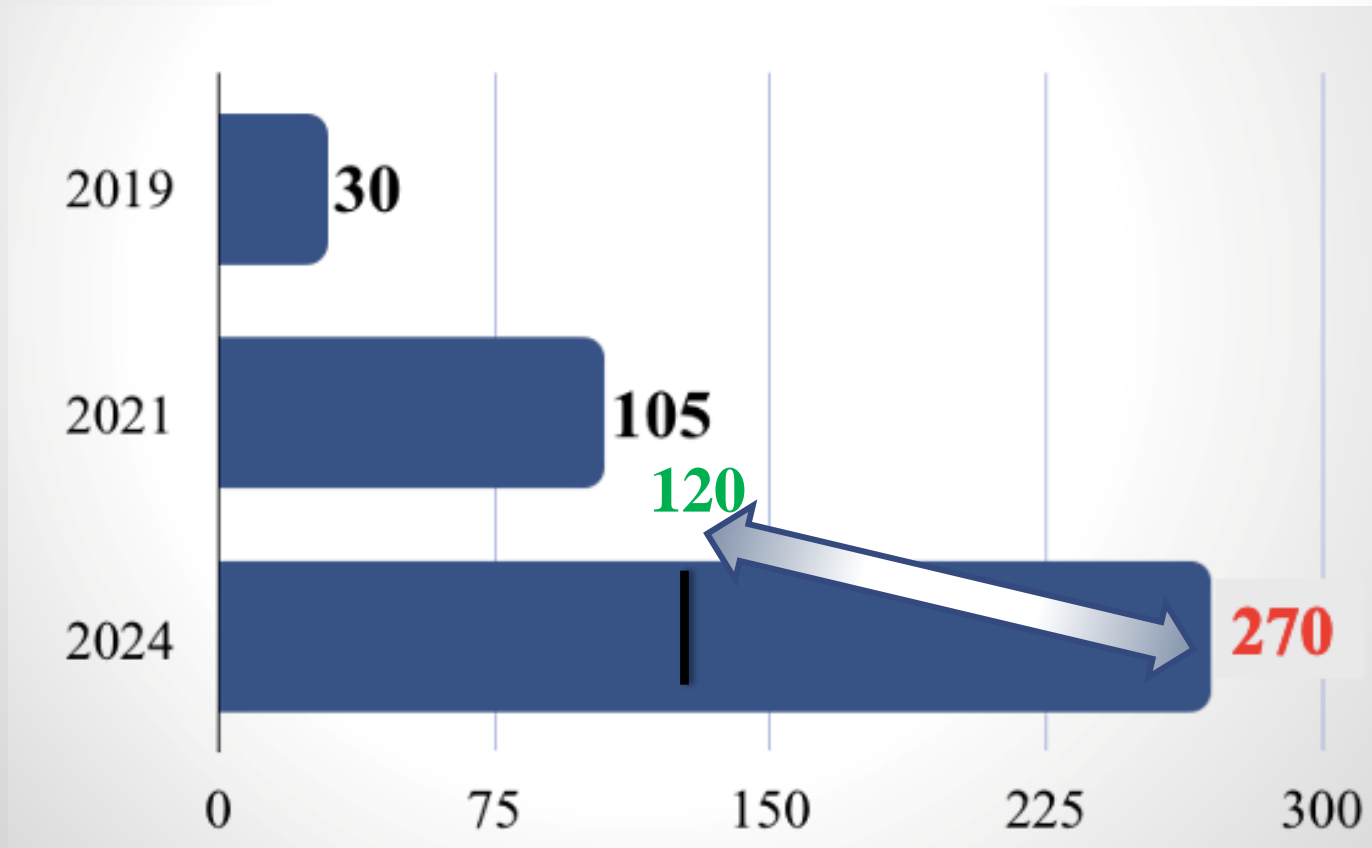
# NATIONAL PROJECT "DIGITAL ECONOMY"

**Dynamics of accepted for higher education programs in the field of information technology until the end of 2024 (in thousand)**



# NATIONAL PROJECT "DIGITAL ECONOMY"

**Training of specialists in the competencies of the digital economy (in thousand)**



# THE ROLE OF THE MEDIATOR

A mediator is a specialist as a link between the classical legal education and technical competencies and knowledge in the field of information technology and the information sphere as a whole.



# Educational programs in Russia



Lomonosov Moscow State University  
Computer Law and Information Security



Kutafin Moscow State Law University  
Information Law and Digital Technology



Institute of Law and Management  
Lawyer in the field of information law and  
digital technology



High School of Economics  
Lawyer in the field of information technology



# LEGAL DISCIPLINES IN TECHNICAL PROGRAMS

## Russian Technical Universities

## Legal Disciplines

National Research Nuclear University MEPhI (Moscow Engineering Physics Institute)

- Organizational and legal support of information security
- Normative regulation in the field of applied cryptography

Bauman Moscow State Technical University, BMSTU

- Organizational and legal support of information security

Moscow Institute of Physics and Technology (MIPT)

- Information Law and Intellectual Property Law

# MAIN PROBLEMS OF LEGAL REGULATION OF THE DIGITAL ENVIRONMENT

- Definition and legal fixing of subjects of legal relations;
- determination of the boundaries of jurisdiction over the Internet;
- ensuring intersectoral legal regulation of public relations.

*Legal problems must be solved taking into account non-legal (technical) approaches and solutions.*

# LEGAL TRAINING UPDATE

**In the educational training of lawyers it is necessary to add:**

- interuniversity cooperation;
- interprofessional interaction between technical specialists and lawyers;
- interdisciplinary approach (the study of non-legal disciplines - engineering network analysis, the mathematical foundations of computer computing);

# DISCIPLINE UPDATE

## General cultural disciplines

## Professional disciplines

Computer literacy

Knowledge of relevant legislation


Digital privacy

Monitoring and control of activities on the Internet

Basics of programming

Detection and prevention of computer crimes

# CONCLUSIONS

- The digital environment is comprehensive  
 intersectoral legal regulation
- Qualified personnel in the field of jurisprudence with in-depth training in the field of information technology are needed
- Legal problems must be solved taking into account non-legal (technical) approaches and solutions

# CONCLUSIONS

- Automatization and algorithmization of legal processes. Legal Tech is crowding out legal professional
- Integration of regulatory bodies in information processes. The need to control the activities of technology by man
- The need to have specialized knowledge to understand the logic of the functioning of technologies and determine their legal regime

# PUBLICATIONS

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**THANK YOU!**

