

TECHNOLOGY ETHICS. A SHIELD FROM TECHNOLOGICAL DISASTERS OR AN OBSTACLE TO DEVELOPMENT?

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WHAT WE ARE TALKING ABOUT?

What is technology ethics?

Case-study: What it really looks like

What is government's role in the breaking of technoethical barriers?

RVC's role: How can a particular development institute meet the challenge?



ANY TECHNOLOGICAL BREAKTHROUGH INVOLVES AN OVERCOMING TECHNOETHICAL BARRIERS





WHAT IS TECHNOLOGY ETHICS?

Technology ethics in a global context is the necessity to adhere to the ethical, legal and social dimension of technology in science and technology policy.



WHAT TRICKY QUESTIONS DO REALLY EXCITE AND WORRY THE WORLD?



WHAT IF ROBOTS REALLY CAPTURE AN EMPLOYMENT MARKET ?



WHAT LOVE AND RELATIONSHIPS WILL LOOK LIKE WHEN ROBOTS TAKE THE SHAPE OF PEOPLE



ARE YOU READY TO MEET YOUR CLONE ?



WHAT IT REALLY LOOKS LIKE. CASE 1

- KAMAZ ordered sociological research among citizens of Russian Federation.
- Research objective is to build up standards of ethics, analyze robots behavior in tricky situation on the road. When it comes to imminent road traffic accident.

Conditions:

- 80 000 participants 47 Russian regions stand-alone car selector where man is not involved in the management process

ocus point

Here goes a car, there are people ahead, there is another vehicle on the left, and on the right there is a ditch. What to do?

RVC WHAT IT REALLY LOOKS LIKE. CASE 1

Question!

Б

Suppose, a car without driver moves at a rate of 80 km/h. The scenario involves the sudden appearance of a few people on the road in front of it. What should autorobot do?

continue driving and crash the people

change the direction to oncoming traffic lane which is separated by a double solid line marking where car B is moving?

move down into the ditch, knowing that it will lead to inevitable global damage of the vehicle, autorobot 70,99 % and dangerous for passengers life.

25,73 %

3,28 %

RVC TECHNOLOGY IN VITRO FERTILIZATION (IVF)

In 1969 an article was published about the successful experiment of IVF in the Nature Magazine. At the same time in the US opinion poll related to the ECO fixes such technology as the act against the divine will.

By 1978, according to the results of a similar research, 60% of respondents supported the technology, and more than half were ready, if necessary, to resort to IVF.



OVERCOMING OBSTACLES FOR ETHICAL TECHNOLOGIES OF IVF



RVC WHAT IS THE GOVERNMENT'S ROLE?

Questions to think about:

- 1. Is it a right of Government to take a one's side and regulate technoethical barriers?
- 2. What are the criteria for Government to make a choice?
- 3. What if Government made a mistake with the choice and its regulatory policy hinders the development of the market?

RVC'S ROLE

INVESTMENTS RVC as fund of funds

INSTITUTIONAL RVC as an institute of innovation development

TECHNOLOGICAL RVC as a technology market participant

Implementation of DEVELOPMENT PROJECTS AND PROGRAMMS

- Encouraging network and connections between technological market players;
- Educating of infrastructure participants;
- Promoting technological topics through mass-media;
- Nurturing niche media able for reproduction of topical technological agenda on everyday basis; Breaking communication barriers between science, media and people;
- Cultivating social capital of tomorrow today.
- Making science and technological lifestyle hip for every social group.



Media Accelerator



RVC COMMUNICATION LAB: RESULTS

Main goals:

 Network as much as possible
Connect mavens and listeners
Re-think and Share experience
Formulate professional standards
Develop professional competence
Make science speak out and change the world!

362 publications 34 educational activities 1327 community members 2 researches of russian science communication 1 collection of best practices in science communication ... and one more coming soon

RVC MEDIA ACCELERATOR

niche media development program



Development of the media business competences and competence for the production of standard content

Educational program Networking activities: meetings, special events (get acquainted, cooperate or die!) Small grants for the development of content projects Broadcast of important technological agenda for the target audiences





... + 15 participants who combined make 10% of Russian Internet monthly audience.

RVC

TECH IN MEDIA

National Contest of Innovation Journalism

5 nominations

- "Technology Entrepreneurship"
- "Advanced manufacturing"
- "Popularization of Science"
- "Life sciences"
- "Best media"

300+ contestants

12 best authors writing about science and technologies in 2015

selected in 2015

Tech in Media goal is to develop technology journalists community

- program of special press events,
- educational program for young journalists.



SO... WHO IS A SHERIFF IN THE WORLD OF TECHNOLOGY?

