

his browser that automatically clears the search bar. We will simply see an empty string as a result. Still, UI automation could be a neat placeholder for a more robust system, should you commit to plug-in development in such situation.

The overall UI automation is both very easy to learn and utilize in development. It can be difficult to provide the key features like the user input manipulation, focus transfer and removal, interface inspection when other solutions are too complex or too expensive to develop and maintain. The possible implications are automated interface testing, user input logging, controlling computer by voice etc. The only limit is your imagination.

*Scientific supervisor: Tereminko L.H.,
Senior Lecturer*

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Ivliev V.O.

National Aviation University, Kyiv

THE FUTURE OF AVIATION INDUSTRY

To start with, I must say that aircraft industry by 2050 is expecting a seven-fold increase in air traffic, along with the problem of increasing hotbed gas blow-out. That's why the aircraft industry must be upgraded. But how will these changes affect us and our planet?

We can't underestimate the global changes relating to the technologies. Every research, dedicated to improving our knowledge about different aspects of our life, including aviation industry, bring us a little bit closer to the world, where our daily routine becomes more interesting and safer. We are facing a large amount of different novelties

Among such innovations there will be the electrical engines for aircrafts. One of their benefits is light weight as compared to large, sullen gas turbine or turbo prop engines. So the aircrafts will be like gliders plowing the skies. In addition low cost of such energy is known to every human being. But, still the greatest disadvantage of the electric engine is the capacity of power. It's very low comparing with old fellow gas turbine engine. Thus, we won't see this "fuzzy" engine in the nearest future. As you can see there are many problems to be solved.

As a counterpoise we can place the bio fuel, which, in the nearest future, will replace the ordinary jet.

As we know all biotic staff can be renewable due to its origin. It has been shown by a lot of demonstrative flights of aircrafts using bio fuel. There is one major advantage of this fuel over the others – it is the effect of by bio fuel on the environment, which cannot be overemphasized.

But when we talk about efficiency, bio fuel gives up this point to jet fuel.

Detachable cabin is the concept of Ukrainian inventor Vladimir Tatarenko. He had suggested an idea, that both the passenger cabin and cargo hold could be detached from the fuselage. That wouldn't be the best day ever for pilots, for sure. But like most things in aviation industry the intention has its pros and cons. For the advantages we can refer to absolute safety for passengers in case of some emergency happens to the aircraft. No matter where this would happen – over the Pacific Ocean, near the coast of Los – Angeles, or above the Great Britain. The parachutes, which are mounted on the fuselage would handle any kind of problem. However, disadvantages prevail over benefits, because of the empyreal cost of such “helping hand”.

So I've described only some of the most significant concepts being under development right now. It's time to say a few words about aircraft itself.

The European Airbus company could fairly be referred to as “outstanding dreamer”. The engineers of the company have created such a futuristic concept of the aircraft, that the world community has come to surprise. How could ordinary scientists imagine that kind of elegant stuff? Doesn't this “hard” work belong to writers-fantasts? The answer is no. By immediately influencing people's fantasy we could achieve a success. That was the point of view of most of CEO in Airbus company. Yet, the prototype of a new aircraft has never been created, but the engineers have kindly shared some of the supposed features with us already. Since the plane will be released only by 2050, the scientists suggested to create a type of membrane, that could merge with the sky, so the passengers will be able to enjoy the flight. Also, smart aircraft system may adapt to special passenger needs. For example, if a person has an excess weight, his seat can be converted into a more comfortable one. Unfortunately, this concept is based only on calculations obtained, and not on practical results. Thus, we can't say for sure whether the goal of the Airbus engineers will be reached or no, but I'm pretty sure they won't give it up.

Summing up, it would be nice to say that we have many different interesting problems to solve yet. I believe in the aviation industry bright future. I believe in safe flights.

*Scientific supervisor: Akmalidina. O.M.,
Professor*

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Ischenko K.I.

National Aviation University, Kyiv

LIVING IN SOCIAL NETWORKS. IS IT SAFE?

We wake up every morning, open our eyes and check our social networks. Checking social networks became a routine. Nowadays we can't imagine our lives without Facebook, VKontakte, Twitter, Instagram, Snapchat, Face tune, Skype and so many others. For what this dependence can lead us? Is it good or not?