ways. High stress level affects the operability of the brain, influences on the emotions and logical thinking in different ways, including functions of work performance, memory, concentration, and learning.

We can summarize that undoubtedly aside from the obvious psychological and ethical considerations there are strong economic and financial reasons for organizations to manage and reduce stress at work. Consequently, there is a tendency of productivity increase by reducing the psychological stress on workers, which leads to further organization development.

Scientific supervisor: Akopian T.V.,
Senior Lecturer

UDC 004.738.5:004.4 (043.2)

Desiatov K.K.
National Aviation University, Kyiv

EFFECTIVE WEB DEVELOPMENT

Nowadays it's impossible to succeed in business without the Internet because you need a website. Everything is built on it. That's why web studios have a lot of customers and there are a lot of problems of misunderstanding between a customer and a web developer. Here are some problems of a developer team:

• a web developer misunderstood his customer;

• a few members of the developer team have been replaced by new developers while executing the project;

• bad service.

Still, customers have their problems too. The main problem is misunderstanding between a developer and his customer. Let's define some difficulties of the customer:

• the difficulty with identifying the problem;

• the difficulty with the web-site content preparation;

• a long decision-making process;

• changes in the approved project.

So how can web developers and customers cope with these difficulties? Well, I think that it's impossible to avoid some problems. But still, if both sides try to follow s some simple steps it will be possible to reduce the number of problems:

• The development schedule should be made including holidays or sick leaves of each member of a developer team.

• The project manager should know the capabilities of each member of his team; it helps to understand if it possible to complete the task in time.

• The team leader should contact with the customer more regularly. It helps to avoid misunderstanding.

- It's a good decision to inform the customer that team cannot complete the project on time. If so, the customer will probably try to help the developers by excluding some requirements or giving more time to complete the project.

That's why, the project manager, as an experienced team member, writes specification with the help of the other team members. There should be a standard set of requirements that must be considered. Specification itself should be accurate and unambiguous. However, there are few software development methodologies, which are based on an inaccurate specification. So it will be enough to write specification very briefly. This strategy helps to realize huge projects, when it's impossible to write everything in specification at once.

Anyway, writing specification is a continuous process of communication between a customer and a project manager. As a result the customer should sign the specification as an addition to the contract.

The project manager controls the development process. It's very important to draw a schedule and assign all the tasks to the appropriate team members. It's also important to assign tasks to employees correctly.

Every developer tells about completed tasks and shows the results to the project manager every day. If there are some problems, the project manager makes a decision on the ways of eliminating them.

Finally, I'd like to say that the customer and the developer should spend more time on analyzing the requirements because it will help to write specifications of the project more accurately.

Scientific supervisor: Tereminko L.H.,
Senior Lecturer

Fediv V.I.
National Aviation University, Kyiv

THE REPLACEMENT OF TRANSFORMER SENSOR
ON POSITION PICK OFF UNIT (PPU)

The process of changing forces and moments acting on the aircraft due to the deviation in the flight controls, to form the desired trajectory, called control.

The devices through which the control plane, are called the control system.

The increased of take-off weight and flight speed of modern aircraft along with high security requirements lead to problems and complications increase the functions assigned to the control system of modern aircraft.

The feedback sensor "BR-48K" has several disadvantages:

– Small Resolutions;

– The wear as a result of friction and possible false signals of mechanization position;