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APPLICATION OF SOFTWARE FOR CONDUCTING INTERNET CONFERENCES

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Internet technologies occupy an important place among information technologies used by scientists in various fields. The Internet provides unlimited opportunities to every user, including scientific and pedagogical workers. For a scientist, the global Internet today is a means of searching for information and an opportunity to get acquainted with the publication of scientific articles in electronic specialist publications, approbation of research results by participating in Internet conferences. One of the effective tools for the dissemination of scientific knowledge on the World Wide Web is an Internet conference through a remote desktop, which is a familiar conference for everyone, but only in an electronic version. An Internet conference is a virtual communication between several Internet users interested in the topic of the conference using special communication programs. An Internet conference provides an opportunity to quickly familiarize yourself with the research conducted in a certain field, to bring to the attention of a wide range of scientists one's own judgments, conclusions and proposals, without leaving home and staying at one's personal computer.

An Internet conference is a modern information technology tool that allows you to simultaneously solve a number of tasks: disseminate information about the conference being held by posting information on the Internet; disseminate the scientific achievements of the conference participants by publishing test reports; establish live communications with scientists from different countries and institutions who are interested in the issues presented at the conference; receive feedback from participants in the form of questions and discussion [2, 3, 5].

Conferences usually include: approbation of new scientific ideas and practical results of using computer mathematics in science, engineering and education; activation of the implementation of scientific and technical developments and software products in production, science and education; presentation of software products. Undoubtedly, an Internet conference has its own nuances and features, unlike a traditional conference. And most importantly, it has a number of obvious and very significant advantages, namely:

wide coverage of the audience - users of various categories who are potential participants of the conference and have free access to the Internet;

independence from geographical location – scientists from different cities and even countries can participate in the Internet conference, which allows to significantly expand the territorial coverage of the conference, and this can already be safely called a step to a new, higher level;

accessibility - you can participate in the conference while sitting at a computer at home or at work; the main thing is to have a computer and access to the Internet; no special equipment is required; there are no increased requirements for communication channels; the possibility of participating in an Internet conference from your workplace, automatic recording of messages of all participants allows you to easily navigate the event;

the opportunity to significantly save on the financial costs of holding the conference for both the conference organizers and its participants, which is relevant at all times: both in the period of crisis and in the period of stable development;

participation of interested persons in the topic proposed for consideration by the Internet conference, which allows to achieve greater efficiency and effectiveness; the target audience can be found online by holding an Internet conference on a thematic large portal or thematic site, thus the audience will not be passive and the participants will actively express their position;

thanks to the preliminary preparation for the Internet conference, it is possible to develop the most successful mechanism of delivering information to the participants during the registration of the

participants and conducting the conference, in order to focus attention on the most important aspects of the problem under consideration.

duration of the event: usually an Internet conference is longer than a press conference, which gives the participants the opportunity to ask a larger number of questions and get answers to them;

informal communication with participants in the form of "question-answer" in real time;

in addition, services can be provided for placing text blocks with announcements about holding an Internet conference on pages with news texts and placing a photo report in the news feed based on the results of live communication.

The development of a site for holding conferences must meet the requirements of the ISO/IEC 12207:1995 standards that regulate the life cycle of software. It is possible to single out the fundamental processes characteristic of any software development project: development of the software requirements specification (determine the functional characteristics of the system, which are mandatory for implementation); creation of software according to the specification; certification of the software (the created software must undergo certification to confirm compliance with the customer's requirements); modernization of the software (improvement of the software according to the changed requirements of the consumer) [1, 4].

Currently, there are the following models of the software development process: cascade model; evolutionary model; formal transformation; assembly of software products from previously created components (assembly model); iterative (spiral) model. Software creation methods represent a structural approach that facilitates the production of software in an efficient, from an economic point of view, way. All methods are based on the use of system models as a specification of its structure: functionally oriented (structural analysis, JSD, 70s) based on the definition of the main functional components of the system; object-oriented (Booch, Rumbaugh) use approaches based on the use of the unified modeling language UML; Computer-Aided Software Engineering – automated software development. It is the development and use of sites for conducting Internet conferences that is relevant today, during the active conduct of various scientific events online to ensure the protection of its participants. It is with the help of the site that users will be able to receive the necessary information about the conference, familiarize themselves with and remotely discuss the reports of the participants. When placing it in a global network, the geography of the conference's distribution grows to the scale of the whole world.

When developing a website, modern web technologies that allow you to create interactive web pages are appropriately chosen and substantiated. The developed site meets all the requirements set at the task setting stage. As a further improvement of the website, it is possible to develop modules for access to distance education systems. It is also possible to finalize the site interface in order to further increase its informativeness, attractiveness and convenience.

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