

life is designed and improved. It is obvious that the SUGV robot is a masterpiece of our time. The combination of small size, ease of movement, maneuverability, the presence of a video camera, recognition sensors, as well as control with a remote control, these are definitely all the criteria for calling this robot the "Robot of the future".

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## COMPUTERIZATION OF AGRICULTURAL MACHINERY

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The paper presents the visions of upcoming introduction of computer programs and applications into tractor's operation as well as into the operation of other farm machines. Some changes in the machine construction and their results were analyzed.

Undoubtedly, the main trend in the development of the agricultural machinery market at the beginning of the 21st century is its "computerization". You won't surprise anyone with the presence of a GPS-navigator on the tractor today, but modern gadgets and programs that are only being tested at European and American factories are amazing.

The control system applied on the tractor or any farm machine allows to control the sowing process (seeds, fertilizers, micro-granules), receive information about the configuration of the machine, turn off individual sections, manage markers, save and process data. At the same time, the control system is compatible with a virtual spare parts store. The application provides easy recognition of parts in 3D, and also allows to order products directly from the tractor cab, says the developer's website. The app always contains updated parts data and the latest instructions for the machines.

Germany was the first country where the application was launched. More countries and families are coming. Almost all the leading manufacturers of combines and tractors are working on the implementation to control and monitor the processes by means of the touch-screen method. A huge tablet-like screen is used instead of a large abundance of levers and buttons. It is going to appear in front of the driver, who will have an access to almost all manipulations.

Although the automation is being swiftly introduced into tractor systems and operations, in the foreseeable future, pedals, steering wheel and many "levers" will not go anywhere, but manufacturers seriously intend to reduce them to a reasonable limit. So it means the emergence of new models, computer programs and applications that can be used for the control.

Another question is the tractor operator training. New or previously learned skills can be trained on the simulator prior to the start of seasonal work in order to improve the productivity in the field or reduce operational errors. It should be noted that for several years now similar programs have existed

and, in principle, they help very seriously to train the employees (at least the basics), to show how this or that equipment works, which properties the combine has, etc.

The computerization applied on the tractors and agricultural machines is a highly advance area. It enables to improve the quality of agricultural operations. In addition the process will change the traditional interior and exterior of a tractor or a combine. The introduction of computer programs and applications will require special training of the operator.

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## SPECIAL SERVICES AND HOTEL FACILITIES

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Back in the old days hotels gave some facilities for one or several nights. For additional money one could have food and handling horses. Hotel services, their number and the amount of people engaged in them depended on the size of the hotel as well as on its status. Now basic hotel services include reception guests, room service, food service which is free. Hotels usually give paid or free services.

Some paid services are shops and recreational facilities for social functions, conventions and conferences - ballrooms, auditoriums, meeting rooms, exhibit areas and so forth, for family kid-friendly movies and babysitting, gentlemen's barbers, hair salons and Spas can be offered.

Free services in the modern hotels are the following: pools, WIFI, hotel restaurants, vending machines, fitness centers, cocktail lounges, valet parking, luggage unpacking, packing and others.

Another trend in the hotel industry is the construction of the self-contained resort complex. Recreational facilities are another feature of many hotels and motels. A swimming pool is the most common of these, particularly in warmer climates and in resort areas. A swimming pool in front of the building is a form of advertisement for the places such as California, Egypt, Turkey and other resorts.

All of these recreational facilities require the employment of additional personnel. Necessary swimming-pool maintenance is often contracted out. Golf courses must be carefully tended by a special staff of groundskeepers. Horses require stables and grooming. Many resort hotels hire professional athletes to give lessons to the guests in tennis, golf and skiing. Other employees include riding instructors and guides for hikers and campers. Lifeguards are often necessary at swimming pools and beaches. Sometimes in the small hotels the duties of security, a cook and a cleaner are performed by the owner himself.

Recently, the hotel industry trends towards separating the services sector between hotels. Many hotels nowadays offer recreation for a particular group of tourists. Popular family hotels and hotels for people with disabilities – each of them has its unique set of services. For example in the family