



worldskills
Kazan 2019

Presented by:

National Strategic Partner:

SAMSUNG




ROSATOM

SAFETY IS IN OUR HANDS



R-PHARM

Innovative
health
technologies

A yellow background with white geometric lines forming abstract shapes, possibly representing a stylized logo or architectural element.

WorldSkills Kazan 2019 is held in compliance with the requirements of health, safety, and environmental protection. All accredited persons of the event are equally responsible for compliance with these standards and requirements.

ACCESS TO THE FACILITY

The Kazan Expo facility uses an electronic access control system. To gain access, you must have an accreditation badge and pass strictly through the inspection points.

You can leave your personal belongings in one of the storage rooms, which are in front of the inspection area.

It is necessary to pass through the metal detector frame and to hold your bags through the scanner tape.

People with cardiac pacemakers are forbidden to pass through the metal detector frame — they are provided with a special passage.

SAFETY REQUIREMENTS

In order to provide safe and comfortable conditions for all involved people the WorldSkills Kazan 2019 team pays special attention to the compliance with the general safety, occupational and fire safety requirements.

- Please follow the safety signs and instructions during your complete stay at the Kazan Expo facility.
- Be attentive to the signals of the vehicle drivers when leaving the facility.
- Be careful when moving on the staircases, crossings, escalators and uneven surfaces.

- In case of identifying danger or any violation which may lead to people's injury or an emergency situation please inform the staff of the WorldSkills Kazan 2019.
- On the territory of the Kazan Expo site smoking is allowed only in specially designated areas.
- The use and movement of bicycles and scooters is prohibited in the premises of the facility.

IN CASE OF EMERGENCY

In case of emergency please follow the instructions of the Workshop Managers (the technical administrators of the skill competitions) or facility security personnel. When hearing the announcement "Attention: for technical reasons, please leave the room!" the following must be observed:

- do not panic, stay calm;
- leave the dangerous zone using the safest and the shortest paths through the unlocked door, without interfering with other persons;
- leave the premises through the main and emergency exits following the evacuation signs (the green arrows) and the "exit" signs; the evacuation plans will be available at the perimeter of the facility, as well as at each skill workshop;
- do not go out on the roadway, do not interfere with the movement of special equipment and move only along footpaths;
- proceed to the collection point until you receive a signal from the security staff of the facility, indicating that everything is in order and there is an opportunity to return or leave the facility;
- do not enter or return to the danger zone for any reason;
- assist the weak and injured people.

Upon detection of fire or danger of fire, you should call 101 or 112. Activate the manual fire alarm located nearby or use the primary fire extinguishing means if you are trained to use it before. Fire extinguishers are available in all areas of competence and are located in the audience area at every twenty meters.

In Cluster A the fire extinguishers are located inside fire cabinets.

In case of smoke detection, it is necessary to bend down and follow the green signs to the safe zone.

Emergency collection points are located outside the clusters at a distance of two hundred and fifty meters and are marked with a special green sign.

In case of detection of suspicious objects, as well as in case of possible violation of public order, call 102 or 112. Do not attempt to move or inspect suspicious items yourself.

SAFETY AT WORK

Before the start of the Competition the Workshop Managers of each skill workshop will conduct training on occupational health and safety for the accredited persons who visit the skills areas.

Visiting the skill workshops where there is a risk of injury or harm to health will be possible only with the use and availability of personal protective equipment and depending on the hazardous and harmful production factors present at the sites of competence tasks.

The types of personal protective equipment are presented in the Annex (see the pictures with explanation of their meanings).

On each skill workshop there will be a health and safety station with a desk having necessary sets of safety documents and instructions on labour protection, as well as a stand with the information booklets on labour protection, the first-aid kit for the first aid and the eyewash station at some skill workshops.

IN CASE OF AN ACCIDENT

If you feel unwell, please ask for help at the medical centre or the mobile ambulance team. The location of the nearest medical centre is shown on the map of the object, and you can easily find it following the signs. In case of minor injury, provide yourself with the first aid, using the first aid kit that is stored at the health and safety station, or contact an HSE/MED VOLUNTEER at the site.

In case of an accident, it is necessary to immediately stop the impact of the traumatic factor on the victim, while respecting your own safety (the threat of electric shock, the fall of heavy objects, fire), and call an ambulance on 103 or 112.

Do not attempt to provide the medical care to the victim if you are not trained to do so. Keep quiet. Try to calm the victim, if possible, protect the area from unauthorized persons and prevent the formation of the crowd.

In any difficult situation, you can contact a representative of the organizer, a security representative or a volunteer who is next to you.

PERSONAL HEALTH

Be attentive to your own state of health and if you feel unwell or your health can affect the safety of the work or the fulfilment of the competitive task, do not proceed with their implementation and inform a member of your delegation or contact the clinic.

Always carry medicines prescribed by your doctor.

ECOLOGY

At the facilities of the championship there is a system of effective waste management through the use of dual collection (sorted/unsorted waste) of solid waste. Please observe the simple rules when you dispose of the debris.

Keep clean when performing work and after.

Follow the rules of resource saving, turn off the power and water supply systems in the absence of the need for their use.

Reduce paper consumption and the use of non-recyclable household items.

SAFETY SIGNS

Prohibition signs



No smoking



No use of open fire



Passage prohibited



Do not block the aisles and/or store



Do not touch: dangerous



Do not touch: the surface is at high voltage



No waste disposal

Caution signs



Fire hazard: flammable substances



Explosion hazard



Attention! Forklift truck



Risk of electric shock



Careful! Hardly noticeable obstacles



Careful! Possibility of falling from a height



Gas cylinder



Careful! Hot surface



Careful! Possible hand injury



Careful! Obstacle

Mandatory signs



Wear safety glasses



Wear protective helmet



Wear protective earphones



Wear the means of personal protection of respiratory organs



Wear protective shoes



Wear protective gloves



Wear protective uniform



Wear protective shield



Smoking area

Evacuation signs



Direction arrow



Way to the evacuation exit to the right



Way to the evacuation exit to the left

Medical and sanitary signs



First aid kit



Eyewash station



Medical room

Fire safety signs



Direction arrow



Fire extinguisher



The power button of automatic fire fighting systems

Electric safety signs



Voltage indicator 220 V



Voltage indicator 380 V

FACILITY MAP

Welcome!



CONSTRUCTION AND BUILDING TECHNOLOGY СТРОИТЕЛЬСТВО И СТРОИТЕЛЬНЫЕ ТЕХНОЛОГИИ

- B208** ARCHITECTURAL STONEMASONRY
АРХИТЕКТУРНАЯ ОБРАБОТКА КАМНЯ
- B212** WALL AND FLOOR TILING
ОБЛИЦОВКА ПЛИТКОЙ
- D15** PLUMBING AND HEATING / WSI
САНТЕХНИКА И ОТОПЛЕНИЕ
- E18** ELECTRICAL INSTALLATIONS / WSI
ЭЛЕКТРОМОНТАЖ
- B220** BRICKLAYING
КИРПИЧНАЯ КЛАДКА
- C321** PLASTERING AND DRYWALL SYSTEMS
СУХОЕ СТРОИТЕЛЬСТВО И ШТУКАТУРНЫЕ РАБОТЫ
- D22** PAINTING AND DECORATING / WSI
МАЛЯРНЫЕ И ДЕКОРАТИВНЫЕ РАБОТЫ
- B324** CABINETMAKING
ПРОИЗВОДСТВО МЕБЕЛИ
- B325** JOINERY
СТОЛЯРНОЕ ДЕЛО
- B326** CARPENTRY
ПЛОТНИЧЬЕ ДЕЛО
- E37** LANDSCAPE GARDENING
ЛАНДШАФТНЫЙ ДИЗАЙН
- B138** REFRIGERATION AND AIR CONDITIONING
ХОЛОДИЛЬНАЯ ТЕХНИКА И СИСТЕМЫ КОНДИЦИОНИРОВАНИЯ
- B146** CONCRETE CONSTRUCTION WORK
БЕТОННЫЕ СТРОИТЕЛЬНЫЕ РАБОТЫ

CREATIVE ARTS AND FASHION ТВОРЧЕСТВО И ДИЗАЙН

- A227** JEWELLERY
ЮВЕЛИРНОЕ ДЕЛО
- A228** FLORISTRY
ФЛОРИСТИКА
- D31** FASHION TECHNOLOGY
ТЕХНОЛОГИИ МОДЫ
- A240** GRAPHIC DESIGN TECHNOLOGY / WSI
ГРАФИЧЕСКИЙ ДИЗАЙН
- C344** VISUAL MERCHANDISING
ВИЗУАЛЬНЫЙ МЕРЧЕНДАЙЗИНГ
- A250** 3D DIGITAL GAME ART
3D МОДЕЛИРОВАНИЕ ДЛЯ КОМПЬЮТЕРНЫХ ИГР

INFORMATION AND COMMUNICATION TECHNOLOGY ИНФОРМАЦИОННЫЕ И КОММУНИКАЦИОННЫЕ ТЕХНОЛОГИИ

- C102** INFORMATION NETWORK CABLING
ИНФОРМАЦИОННЫЕ КАБЕЛЬНЫЕ СЕТИ
- C109** IT SOFTWARE SOLUTIONS FOR BUSINESS
ПРОГРАММНЫЕ РЕШЕНИЯ ДЛЯ БИЗНЕСА
- C111** PRINT MEDIA TECHNOLOGY
ПЕЧАТНЫЕ ТЕХНОЛОГИИ В ПРЕССЕ
- C117** WEB TECHNOLOGIES / WSI
ВЕБ-ТЕХНОЛОГИИ
- C139** IT NETWORK SYSTEMS ADMINISTRATION / WSI
СЕТЕВОЕ И СИСТЕМНОЕ АДМИНИСТРИРОВАНИЕ
- C153** CLOUD COMPUTING
ОБЛАЧНЫЕ ВЫЧИСЛЕНИЯ
- C154** CYBER SECURITY
ИНФОРМАЦИОННАЯ БЕЗОПАСНОСТЬ

MANUFACTURING AND ENGINEERING TECHNOLOGY ПРОИЗВОДСТВО И ИНЖЕНЕРНЫЕ ТЕХНОЛОГИИ

- A301** POLYMECHANICS AND AUTOMATION / WSI
ПОЛИМЕХАНИКА И АВТОМАТИЗАЦИЯ
- A303** MANUFACTURING TEAM CHALLENGE
КОМАНДНАЯ РАБОТА НА ПРОИЗВОДСТВЕ
- C304** MECHATRONICS
МЕХАТРОНИКА
- B305** MECHANICAL ENGINEERING CAD
ИНЖЕНЕРНЫЙ ДИЗАЙН CAD
- A306** CNC TURNING
ТОКАРНЫЕ РАБОТЫ НА СТАНКАХ С ЧПУ
- A307** CNC MILLING
ФРЕЗЕРНЫЕ РАБОТЫ НА СТАНКАХ С ЧПУ
- C310** WELDING
СВАРОЧНЫЕ ТЕХНОЛОГИИ
- B416** ELECTRONICS
ЭЛЕКТРОНИКА
- E19** INDUSTRIAL CONTROL / WSI
ПРОМЫШЛЕННАЯ АВТОМАТИКА
- A123** MOBILE ROBOTICS / WSI
МОБИЛЬНАЯ РОБОТОТЕХНИКА
- C342** CONSTRUCTION METAL WORK
ПРОИЗВОДСТВО МЕТАЛЛОВ В СТРУКТУРЕ
- A343** PLASTIC DIE ENGINEERING
РАЗРАБОТКА И ИЗГОТОВЛЕНИЕ ИЗ ПОЛИМЕРНЫХ МАТЕРИАЛОВ

TRANSPORTATION AND LOGISTICS ТРАНСПОРТ И ЛОГИСТИКА

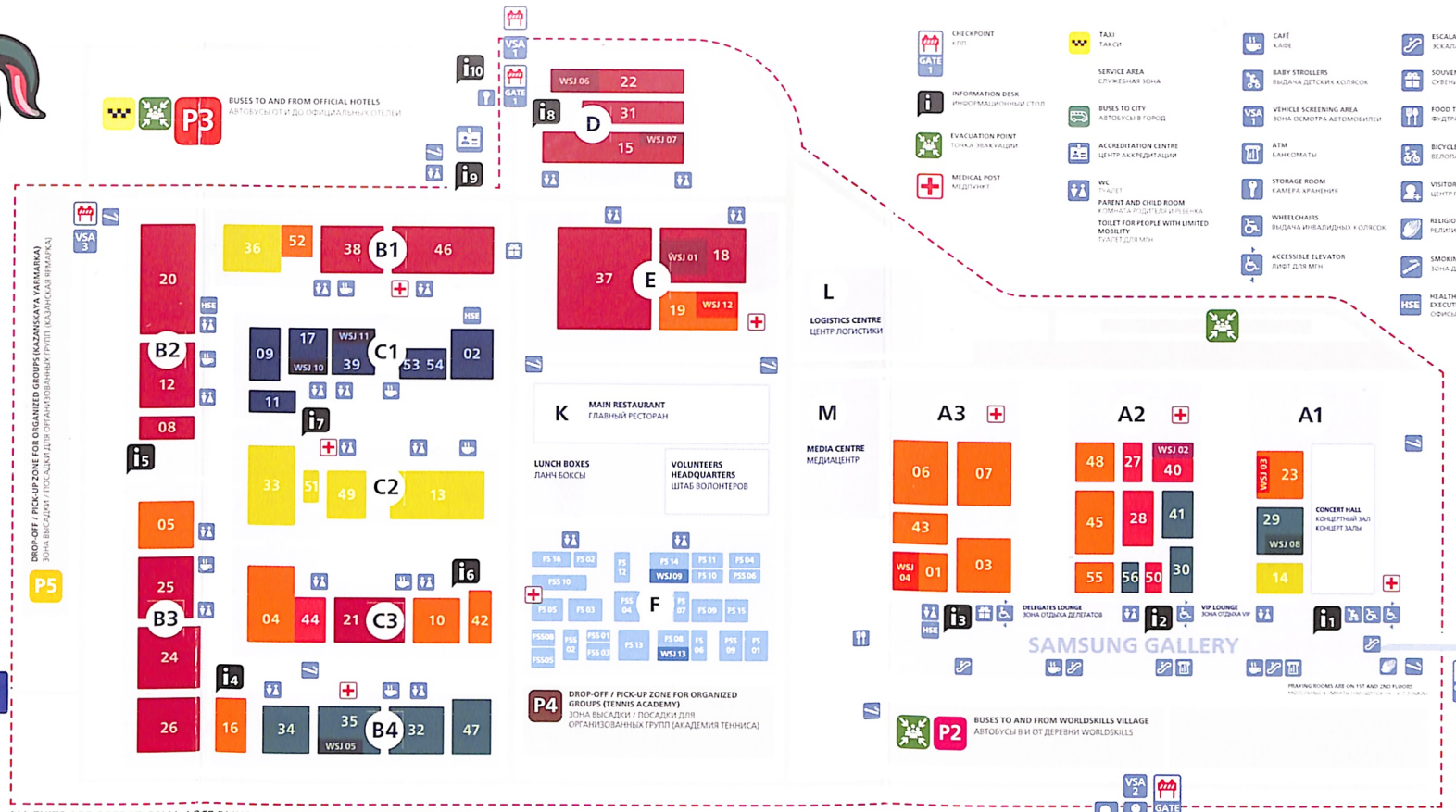
- A245** PROTOTYPE MODELLING
ИЗГОТОВЛЕНИЕ ПРОТОТИПОВ
- A248** INDUSTRIAL MECHANIC MILLWRIGHT
ПРОМЫШЛЕННАЯ МЕХАНИКА И МОНТАЖ
- B152** CHEMICAL LABORATORY TECHNOLOGY
ЛАБОРАТОРНЫЕ И ХИМИЧЕСКИЕ АНАЛИЗЫ
- A255** WATER TECHNOLOGY
ВОДНЫЕ ТЕХНОЛОГИИ
- A129** HAIRDRESSING / WSI
ПАРИКМАХЕРСКОЕ ИСКУССТВО
- A230** BEAUTY THERAPY
ЭСТЕТИЧЕСКАЯ КОСМЕТОЛОГИЯ
- B432** PÂTISSERIE AND CONFECTIONERY
КОНДИТЕРСКОЕ ДЕЛО
- B434** COOKING
ПОВАРСКОЕ ДЕЛО
- B435** RESTAURANT SERVICE / WSI
РЕСТОРАННЫЙ СЕРВИС
- A241** HEALTH AND SOCIAL CARE
МЕДИЦИНСКИЙ И СОЦИАЛЬНЫЙ УХОД
- B447** BAKERY
ХЛЕБОПЕЧЕНИЕ
- A256** HOTEL RECEPTION
АДМИНИСТРИРОВАНИЕ ОТЕЛЕЙ
- C213** AUTOBODY REPAIR
КУЗОВНОЙ РЕМОНТ
- A114** AIRCRAFT MAINTENANCE
ОБСЛУЖИВАНИЕ АВИАЦИОННОЙ ТЕХНИКИ
- C233** AUTOMOBILE TECHNOLOGY
РЕМОНТ И ОБСЛУЖИВАНИЕ ЛЕГКОВЫХ АВТОМОБИЛЕЙ
- B136** CAR PAINTING
ОКРАСКА АВТОМОБИЛЕЙ
- C249** HEAVY VEHICLE TECHNOLOGY
ОБСЛУЖИВАНИЕ ТЯЖЕЛОЙ ТЕХНИКИ
- C251** FREIGHT FORWARDING
ЭКСПЕДИРОВАНИЕ ГРУЗОВ
- FUTURE SKILLS**
- FS01** RAPID PROTOTYPING
БЫСТРОЕ ПРОИЗВОДСТВО
- FS02** AGRICULTURAL BIOTECHNOLOGY
БИОТЕХНОЛОГИИ В СЕЛЬСКОМ ХОЗЯЙСТВЕ
- FS03** VIRTUAL AND AUGMENTED REALITY
ВИРТУАЛЬНАЯ И ДОПОЛНИТЕЛЬНАЯ РЕАЛЬНОСТЬ
- FS04** BLOCKCHAIN-BASED SOLUTIONS
РЕШЕНИЯ НА ОСНОВЕ БЛОКЧЕЙН-ТЕХНОЛОГИИ
- FS05** COMPOSITE TECHNOLOGIES
ТЕХНОЛОГИИ КОМПОЗИТОВ
- FS06** ENTERPRISE INFORMATION SYSTEMS SECURITY
БЕЗОПАСНОСТЬ СИСТЕМ ИНФОРМАЦИОННОГО ОБМЕНА ДАННЫМИ
- FS07** INDUSTRIAL DESIGN TECHNOLOGY
ПРОМЫШЛЕННЫЙ ДИЗАЙН

ROBOT SYSTEMS INTEGRATION ИНТЕГРАЦИЯ СИСТЕМ РОБОТОВ

- FS08** INTERNET OF THINGS
ИНТЕРНЕТ ВЕЩЕЙ
- FS10** MACHINE LEARNING AND BIG DATA
МАШИНОЕ ОБУЧЕНИЕ И БОЛЬШИЕ ДАННЫЕ
- FS11** MOBILE APPLICATIONS DEVELOPMENT
РАЗРАБОТКА МОБИЛЬНЫХ ПРИЛОЖЕНИЙ
- FS12** QUANTUM TECHNOLOGY
КВАНТОВЫЕ ТЕХНОЛОГИИ
- FS13** MECHANICAL REVERSE ENGINEERING
РЕВЕРСИОННАЯ ИНЖЕНЕРИЯ
- FS14** DRONE OPERATING / WSI
УПРАВЛЕНИЕ ДРОНОМ
- FS15** BUILDING INFORMATION MODELING (BIM)
ТЕХНОЛОГИИ ИНТЕГРАЦИИ МОДЕЛИРОВАНИЯ И ИНФОРМАЦИИ
- FS16** MECHANICAL REVERSE ENGINEERING
РЕВЕРСИОННАЯ ИНЖЕНЕРИЯ
- FUTURE SKILLS SHOWCASE**
- FS001** DIGITAL FACTORY
ЦИФРОВАЯ ФАБРИКА
- FS002** DIGITAL FARMING
ЦИФРОВОЕ ХОЗЯЙСТВО
- FS003** DIGITAL FASHION DESIGNER
ЦИФРОВОЙ ДИЗАЙНЕР
- FS004** ROBOTIC WELDING
РОБОТИЗИРОВАННАЯ СВАРКА
- FS005** NEURAL INTERFACE DESIGN
ДИЗАЙН НЕЙРОИНТЕРФЕЙСА
- FS006** LIFE CYCLE MANAGEMENT
УПРАВЛЕНИЕ ЖИЗНЕННЫМ ЦИКЛОМ

MINERAL SYNTHESIS AND PROCESSING ИНТЕГРАЦИЯ СИСТЕМ РОБОТОВ

- FS008** LASER TECHNOLOGY
ЛАЗЕРНЫЕ ТЕХНОЛОГИИ
- FS009** INDUSTRY 4.0
ИНДУСТРИЯ 4.0
- FS010** INDUSTRY 4.0
ИНДУСТРИЯ 4.0
- WORLDSKILLS JUNIORS**
- WSJ01** ELECTRICAL INSTALLATIONS
ЭЛЕКТРИКА
- WSJ02** GRAPHIC DESIGN TECHNOLOGY
ГРАФИЧЕСКИЙ ДИЗАЙН
- WSJ03** MOBILE ROBOTICS
МОБИЛЬНАЯ РОБОТОТЕХНИКА
- WSJ04** POLYMECHANICS AND AUTOMATION
ПОЛИМЕХАНИКА И АВТОМАТИЗАЦИЯ
- WSJ05** RESTAURANT SERVICE
РЕСТОРАННЫЙ СЕРВИС
- WSJ06** PAINTING AND DECORATING
МАЛЯРНЫЕ И ДЕКОРАТИВНЫЕ РАБОТЫ
- WSJ07** PLUMBING AND HEATING
САНТЕХНИКА И ОТОПЛЕНИЕ
- WSJ08** HAIRDRESSING
ПАРИКМАХЕРСКОЕ ИСКУССТВО
- WSJ09** DRONE OPERATING
УПРАВЛЕНИЕ ДРОНОМ
- WSJ10** WEB TECHNOLOGIES
ВЕБ-ТЕХНОЛОГИИ
- WSJ11** IT NETWORK SYSTEMS ADMINISTRATION
СЕТЕВОЕ И СИСТЕМНОЕ АДМИНИСТРИРОВАНИЕ
- WSJ12** INDUSTRIAL CONTROL
ПРОМЫШЛЕННАЯ АВТОМАТИКА
- WSJ13** ROBOT SYSTEMS INTEGRATION
ИНТЕГРАЦИЯ СИСТЕМ РОБОТОВ



ALL EXITS ARE OPERATIONAL / ВСЕ ВЫХОДЫ ЯВЛЯЮТСЯ ЭВАКУАЦИОННЫМИ

WORLD SKILLS KAZAN 2019



