



بالعلوم
بالفكر
THINK SCIENCE
WORLD FAIR
2020

Initiative of

مبادرة من

تأسيساً

EMIRATES
FOUNDATION
الإمارات

THINK SCIENCE WORLD FAIR

EMPOWERING
THE NEXT GENERATION OF
SCIENTISTS

 Dubai - United Arab of Emirates

 18-23 APRIL, 2020



TABLE OF CONTENTS

INTRODUCTION	3
ABOUT EMIRATES FOUNDATION	3
ABOUT THINK SCIENCE	3
THINK SCIENCE WORLD FAIR 2020	4
EVENT BRIEF	4
EVENT DATES (18-23 April).....	5
EVENT COMPONENTS.....	5
THINK SCIENCE WORLD COMPETITION	6
WHAT IS THE THINK SCIENCE WORLD COMPETITION?	6
TIMELINE.....	6
WORLD COMPETITION TERMS & CONDITIONS	6
GENERAL TERMS.....	6
HOW TO QUALIFY FOR THE THINK SCIENCE WORLD COMPETITION 2020:	8
REQUIRED DOCUMENTS.....	8
RECOMMENDED PROJECTS	8
EXCLUDED PROJECTS.....	9
Judging Criteria.....	9
PROJECT DISPLAY	9
ACCOMMODATION, TRANSPORTATION, MEALS, FLIGHT AND VISA	10
HOW TO REGISTER.....	11
COMPETITION CATEGORIES	11
TECHNOLOGY, SYSTEMS, AND AI	12
ENERGY, ENVIRONMENT, AND APPLIED SCIENCES.....	13
JUDGING PANEL	15
AWARDS.....	15
THINK SCIENCE AWARDS	15
CONTACT US	16

Under the patronage of

HIS HIGHNESS SHEIKH ABDULLAH BIN ZAYED AL NAHYAN

Minister of Foreign Affairs and International Cooperation and Chairman of the Emirates Foundation

INTRODUCTION

Emirates Foundation's (EF) mission aims to deliver positive and permanent social impacts to the youth of today through its six carefully designed programs focused on youth empowerment and development. The Think Science program specifically focuses on creating a strong link between youth and the business sector in the UAE and aims to spark Emirati youth's interest in Science, Technology and Innovation (STI) while encouraging them to pursue science, technology, engineering and mathematics (STEM) related majors in their higher education in order to follow a career in related industries.

ABOUT EMIRATES FOUNDATION

Emirates Foundation is an independent philanthropic organization set up by the government of the Emirate of Abu Dhabi to facilitate public-private funded initiatives to improve the welfare of people across the UAE.

ABOUT THINK SCIENCE

The Think Science Program, launched in 2012, is one of the Emirates Foundations flagship programs which aims to **INSPIRE**, **EMPOWER** and **ENCOURAGE** youth between the ages of 15-35 to actively engage with the digital revolution by providing them with solid STEM skills, encouraging them to innovate and deploy technology that addresses some of today's broader socio economic challenges.

Since its inception, the Think Science Program has achieved remarkable UAE wide coverage and acclaim and has since:



THINK SCIENCE WORLD FAIR 2020

EVENT BRIEF

Emirates Foundation is delighted to announce the launch of **Think Science World Fair**, the largest science-based event for youth in the Middle East and North Africa region; which will take place in **Dubai-UAE** on **18-23 of April, 2020**.

The **Think Science World Fair 2020** is under the patronage of **His Highness Sheikh Abdullah bin Zayed Al Nahyan**, Minister of Foreign Affairs & International Cooperation and Chairman of Emirates Foundation, and in partnership with the **UAE Ministry of Education**, and in collaboration with the leading industry giants in the field of science, technology, engineering and innovation, to help build an international sustainable knowledge based economy.

The **Fair** will focus on “**Empowering the Next Generation of Scientists**” where the brightest minds from across the globe will come together under one roof to explore, innovate and celebrate all things science during this action packed event!

The **Think Science World Competition**, running as part of the World Fair; will welcome young scientists aged 15 to 25 (High school and Undergraduate) from all across the globe to compete by designing science-based innovations that address society’s most pressing challenges across vital sectors from energy to technology, aviation to engineering and from robotics to environmental sustainability. Winners will receive valuable prizes with culminating in the prestigious Award for Scientific Youth Innovation.

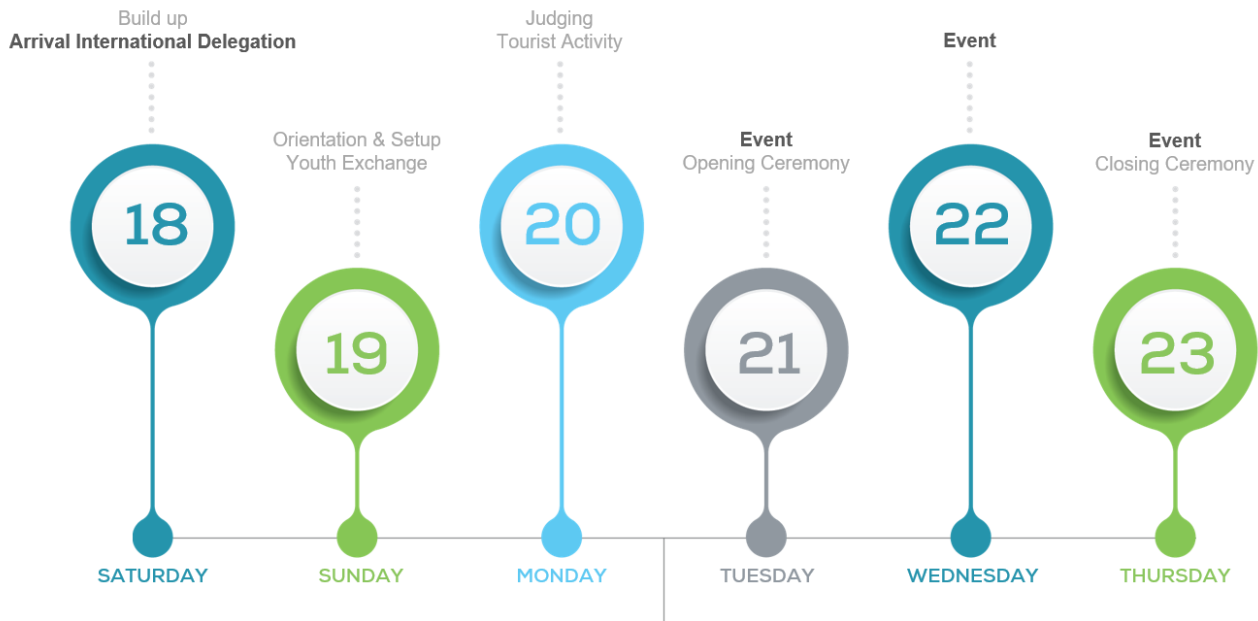
Attending youth will also be able to engage in the **Think on Stage** which will provide them with the opportunity to learn from leading expertise, budding scientists and pioneers in the field of Science, Technology and Innovation (STI) and hear their inspiring stories of pushing the boundaries with their innovative thinking.

Another valuable platform for youth at the World Fair will be the **Think Science Connect** Platform, a strategic business hub designed to connect young scientists and engineers with leading companies in STI sectors, who are seeking to both engage and encourage youth to consider STEM as a future career path through interactive workshops, hands-on activations and empowerment opportunities.

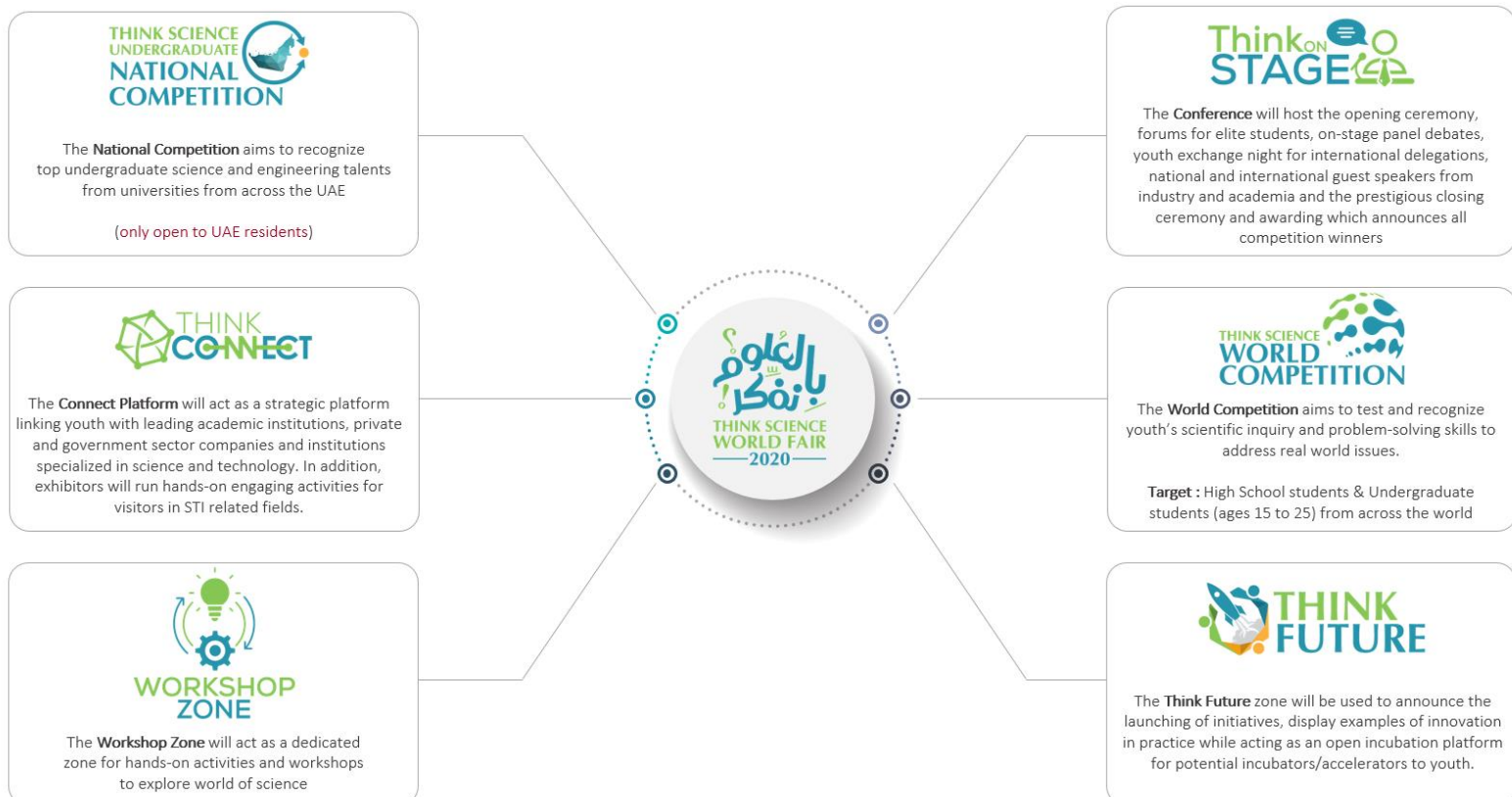
The World Fair is an expansion of Think Science’s highly successful UAE competition which has engaged and nurtured close to 100,000 youth in the fields of science and technology since its establishment in 2012.



EVENT DATES (18-23 April)



EVENT COMPONENTS



THINK SCIENCE WORLD COMPETITION

As the world moves towards innovation as a basis for discovery and invention, the need for youth to embrace and participate in actively solving today's global problems has never been more significant. We invite all budding scientists to register with their innovative solutions and compete in the **Think Science World Competition**.

WHAT IS THE THINK SCIENCE WORLD COMPETITION?

1. It is an international competition that tests and recognizes youth's scientific inquiry and problem-solving skills to address real world issues.
2. It aims to identify eager and gifted youth with advanced science and technology- based innovative solutions that seeks to serve and benefit the community, and better the lives of others
3. It encourages youth to design, develop and build a working scientific prototype using their scientific knowledge, problem solving and analytical skills to solve practical problems
4. It is dedicated to expanding scientific literacy, effective STEM education and scientific research and is focused on promoting the understanding of science and the vital role it plays in human advancement
5. Youth aged 15 to 25 from public/private schools (Grade 9-12) and universities (undergraduates) from across the world are invited to participate in the competition (up to three members (schools) or four (universities)) from all across the world
6. Successful participants will be given the opportunity to compete with their innovative prototypes and practical researches at Think Science World Competition where the winners will be announced on the last day of the Think Science World Fair in April 2020

TIMELINE

January 30, 2020	Deadline for affiliation with World Competition and final project registration, evidence submission, international delegation & finalist's registration.
February 15, 2020	Announcement of accepted projects
February 23, 2020	Deadline to finalize hotel reservations for international delegation
18-23 of April, 2020	Think Science World Competition to be held in the Think Science World Fair 2020

WORLD COMPETITION TERMS & CONDITIONS

GENERAL TERMS

- The World Competition is open for all innovative ideas related to different applied sciences and technology disciplines
- Projects must be registered through a national fair or a well-recognized organization/authority/university/school from each country
- Each organization/authority/national fair/school/university of **each country can register unlimited number of projects**

- Each organization/authority/national/school/university fair of each country must register 3 focal points on the online registration system
- Finalists are youth aged 15 to 25 from public/private schools (Grade 9-12) and universities (undergraduates) from across the world who are invited to participate in the competition
- Finalists can participate in individual and team projects as per below:
 - A maximum of three finalists can make up each team in the schools category.
 - A maximum of four finalists can make up a team in universities category
- In addition to the finalists, each organization/authority/national fair/school/university of each country can register one head of delegation and one adult in charge if participating with more than 2 projects. In case of participation with one or two projects only, the organization/authority/national fair/school/university can register one delegate only acting as head of delegation and adult in charge
- Each Finalist can participate with one project only.
- **Limited number of projects** from across the world will be selected to compete
- A detailed comprehensive abstract and project plan with clear objectives, methodology, and outcomes must be submitted online (the number of participating projects is limited).
- Redundant, weak or repeated projects will not be accepted, and as such the project proposal must be written carefully to successfully qualify for the competition.
- Online registration for affiliation is open from **Sept 10, 2019**
- The deadline for online registration for affiliation is **January 30, 2020**
- Deadline for full project registration and evidence submission is **January 30, 2020**
- Projects' submissions must include evidence for having complete research with results, a working and fully tested prototype, and/or research end product before **January 30, 2020**
- Registration deadline for Finalist(s), Head of Delegates and Adult in charge is **January 30, 2020** (Terms and Conditions applies)
- Successfully qualifying projects and finalists will be invited to participate in the final stage at the Think Science World Competition during the Think Science World Fair on **18-23 April 2020**.
- Think Science - Emirates Foundation will provide hotel accommodation on shared-rooms basis for the finalists, one head of delegation, and one adult in charge (T&C applies), and only during the event days. Any extra accommodation and expenses related to extra nights or rooms must be covered directly by the participating entity/organization with the focal point from the hotel
- Each organization/authority/national fair/school/university of each country can register **one head of delegation and one adult in charge** if participating with **more than 2 projects** and their accommodation expenses will be covered by Think Science - Emirates Foundation during the event days
- In case of participation with **one or two projects only**, Think Science - Emirates Foundation will only cover the accommodation expenses for **one delegate** acting as **head of delegation & adult in charge**
- Finalists representing the UAE are only nominated through Think Science and NSTI National Competitions.
- All students/finalists are under their supervisors' responsibility from each affiliated organization/authority/national fair/school/university, where the supervisor(s) confirms that he/she has the full permission of the legal guardian of the student/finalists that he/she registers to participate in the Think Science World Competition, and that they will

be under his/her full responsibility and supervision at all times, during travel, workshops, setup and exhibition days, and during any of the program's activities. Think Science - Emirates Foundation holds no responsibility on supervising those students/finalists.

- The supervisor(s) agrees that he/she read the Participant's Release and Waiver of Liability Form (available on the registration system) and agrees to its terms and conditions on behalf of his/her registered students/finalists with their legal guardian's consent

HOW TO QUALIFY FOR THE THINK SCIENCE WORLD COMPETITION 2020:

- A representative from the national fair/well-recognized organization/authority/school/university from each country must complete the affiliation process before **January 30, 2020, and he/she will be the main focal point**
- Project registration and evidence submissions must be finalized before **January 30, 2020**
- Evidence for a working and fully tested prototype and/or end product of the research includes:
 - The project's scientific report with results
 - A minimum of 3 photos for the project from different angles, show all details of the project
 - A video for the project showing the working prototype and/or end product
- Registration deadline for Finalist(s), Head of Delegates and Adult in charge (T&C applies) is **January 30, 2020**
- Finalists commit to attending the 6 days event that will be held in **Dubai- UAE on 18-23 April 2020** (exact agenda, and timings will be announced later)

REQUIRED DOCUMENTS

- Each delegate (finalist, head of delegation, and adult in charge) should provide / upload a digital copy of the following when filling in the proposal application form (in .jpg, .gif, .pdf format)
 - Valid Passport copy
 - Passport size formal photo
 - Filled and signed introductory form which is digitally available on the online registration system
 - Maximum size of each document (750 KB)
- The final list of finalists (teams and individuals) are required to sign and submit a copy of the participation agreement (scan and upload on the system), in addition to submitting the original hardcopy upon arrival to the Think Science World Fair 2020
- The agreement will be sent to all accepted projects via email by **February 17, 2020**

RECOMMENDED PROJECTS

- Interactive scientific models, prototypes, systems and devices that serve a community benefit and use the scientific methodology with practical experiments in different applied science and technology disciplines.
- Highly recommended field preferences include Artificial Intelligence, Semiconductors, Aerodynamics, Water Sustainability, Environmental Engineering, Food Security, Health and Bioinformatics, Systems for the Determined Ones (special needs) ect.
- Practical researches that are directly linked to a community benefit and solve a problem, but should have clear and tangible end products.

- We welcome Research/Study that might not be directly linked to a community benefit through an end-product, and might not provide a direct solution for a problem, or might not have a tangible end product, **however; it provides breakthrough results/outcomes in the field of study**

EXCLUDED PROJECTS

- Theoretical Research projects (e.g. what causes a car accident in the UAE etc.)
- Research/Study that is not directly linked to a community benefit through an end-product, or does not provide a direct solution for a problem, or does not have a tangible end product, and does not provide breakthrough results/outcomes in the field of study (e.g. The effect of mercury residues on an embryos' development, The effect of light intensity on plants' growth and etc)
- Theoretical Research/Study (e.g. A study about H1N1 Virus but does not provide end product like inhibitors or cure medicine and etc.)
- Surveys
- Static Models (e.g. Volcanoes, the Solar System, etc.)
- Conventional Biofuel and Biogas production
- Conventional Solar Energy Projects (Solar Fridge, Solar Car, Solar Oven, etc.)
- Conventional Recycling Projects (Using Electronic Wastes to make jewelries and accessories)
- Projects that can be tested in lab to proof efficiency, but was tested only by simulators.
- Conventional Renewable Energy Projects (Wind Generators, Hydroelectric power, Kinetic energy projects...etc.)

Judging Criteria

Think Science General Judging criteria focus on the below

- Project concept is innovative and/or it provides breakthrough results/outcomes in the field of study
- Project concept is original and chosen by student him/herself
- Project is sustainable and uses natural material readily available
- Project contributes to solving a community or environmental issue
- Project can be developed and commercialized
- Research followed scientific methodology and had clear plan, objectives, and hypotheses
- Project contributes to student's understanding of the different scientific and practical aspects
- Project is implemented by student him/herself
- Final product is cost effective and feasible
- Project promotes student's teamwork skills (for team projects)

PROJECT DISPLAY

The below are prohibited during the fair, judging, and project display

- Using water, gas, fire, smoke, all chemicals, dry ice or other sublimating solids.
- All hazardous substances or devices (Example: poisons, drugs, firearms, weapons)
- Microorganisms, animals, any living organisms, waste samples, preserved vertebrate or invertebrate animals, and human or animal food.
- Human/animal parts or body fluids (for example, blood, urine).
- Items that may have contained or been in contact with hazardous chemicals.

- Sharp items (for example, syringes, needles, pipettes, knives).
- Flames or highly flammable materials (including magnified light sources).
- Any apparatus/part deemed unsafe by the Scientific Review Committee.
- In case the project requires the use of such materials/procedures, the finalists should video and photo record their working prototype and experimental research steps in a safe and secured lab conditions, and use the footage to display their project during the Think Science World Competition.

ACCOMMODATION, TRANSPORTATION, MEALS, FLIGHT AND VISA

Accommodation

- Think Science - Emirates Foundation will provide hotel accommodation on shared-rooms basis for the finalists, one head of delegation, and one adult in charge (T&C applies), and only during the event days. Any extra accommodation and expenses related to extra nights or rooms must be covered directly by the participating entity/organization with the focal point from the hotel
- Accommodation will be provided as per below (T&C applies):
 - Finalist – shared room basis
 - Head of delegation – 1 single room
 - Adult in charge – 1 single room
- Each organization/authority/national fair /school/university of each country can register one head of delegation and one adult in charge if participating with more than two projects
- In case of participation with one or two project only, accommodation expenses will only be covered for one delegate acting as head of delegation and adult in charge.
- Accommodation will only be provided during event dates
- Deadline for hotel booking needed for delegates during Think Science World Competition and Fair 2020 is **February 23, 2020** (T&C Applies)
- Any cancelation, modification after **March 10**, or in case of no-show, the total price of the reservation will be charged
- Any extra accommodation and expenses related to extra nights or rooms must be covered directly by the participating entity/organization with the focal point from the hotel

Transportation and Meals

- Transportation will only be provided to participants between Hotels and the fair venue with a fixed schedule to follow (only for participants who are provided with the hotel)
- All competition participants not staying at the hotels provided by Think Science should arrange for their own transportation to come to the Fair and departure every day (Setup, Judging and 3 Exhibition days)
- Participants should arrange for their own transportation from and to the airport upon arrival and departure
- During the fair, Breakfast and Dinner will be provided for participants at the Hotel (Hotel Residents only) (finalists, head of delegation, and adult in charge) Lunch will be provided at the fair venue for all participants (finalists, head of delegation, and adult in charge).
- All the above excludes other companions and/or family members.

Flight

- **Flights will not be provided by Think Science – Emirates Foundation.**
- It is the sole responsibility of the finalist, adult in charge and head of delegation, and/or well recognized organization/authority/national fair/School/University of each country to secure flights to the event for their delegates as per announced dates.

Visa

- The procedure to obtain a visa to the UAE is dependent on the country of the request.
- For those who are required to obtain a UAE visa:
- Kindly contact the Embassy or UAE Consulate in your country to obtain details of the documents required to process a visa application.
- In the case that a UAE embassy or consulate is not available in your country, please contact to the closest UAE consulate to your country.
- Finalists will receive an invitation letter to support their visa application as soon as their registration is finalized through the Think Science World Competition online registration system.
- It is the sole responsibility of the finalist, adult in charge and head of delegation to secure their visa on time and for providing all required documents to obtain it.
- Think Science will not be responsible if a finalist does not receive their visa in time to travel.

HOW TO REGISTER

- All school and university projects must be registered through a national fair or a well-recognized organization/authority /school/university from each country.
- The main focal point of that entity may initiate the affiliation/registration process, and register the details of the other two focal points.
- The 3 focal points will have an admin-right access, and complete the registration of the projects and finalists.
- The deadline for affiliation is **January 30, 2020**
- A full project plan with evidence (research background, projects objectives, methodology and procedures, results and community benefit), including a comprehensive abstract with clear objectives and outcomes, must be submitted online before **January 30, 2020**.
- Finalists are youth aged 15 to 25 from public/private schools (Grade 9-12) and universities (undergraduates) from across the world who are invited to participate in the competition
- Finalists can participate in individual and team projects as per below:
 - A maximum of three finalists can make up each team in the schools category.
 - A maximum of four finalists can make up a team in universities category
- Each Finalist can participate with one project only.
- Successfully qualifying projects and finalists will be invited to participate in the final stage at the Think Science World Competition during the Think Science World Fair, which will be held in **Dubai-UAE on 18-23 April 2020**.

COMPETITION CATEGORIES

The submitted projects should be within the scope of the two main scientific categories and subcategories:

- **Technology, Systems, and AI**
- **Energy, Environment, and Applied Sciences**

TECHNOLOGY, SYSTEMS, AND AI

ROBOTS AND ARTIFICIAL INTELLIGENCE

Devices that operate similar to the ways humans think and process information. Systems that provide for increased interaction of people and machines to naturally extend and magnify human expertise, activity, and cognition. Studies that explore the behavior of dynamical systems with inputs and how their behavior is modified by feedback. This includes new theoretical results and the applications of new and established control methods, system modelling, identification and simulation, the analysis and design of control systems (including computer-aided design), and practical implementation. It also includes Machine Learning where construction and/or study of algorithms that can learn from data that is being used.

SMART SYSTEMS

Object recognition devices, sensing, actuation, and control systems that make decisions based on the available data, including electricity consumption control systems, but excluding systems related to health monitoring, determined ones and transportation. It includes smart screens, smart kitchen, smart carts, smart fridge, smart glasses, smart customers' satisfaction system, smart pens, smart boards, and smart books.

SAFETY SYSTEMS

Safety and status monitoring, multifunctional safety devices, and control systems that make decisions based on the available data for safety applications, but excluding systems related to health monitoring, determined ones, and transportation. It includes fire and smoke detection, drowning and falling detection, gas leakage detection and theft detection, home/office security systems, in addition to cybersecurity, network security systems, and pollution detection & control projects.

TRANSPORTATION AND ROAD SAFETY SYSTEMS

Smart Vehicle Developments for safety purposes, Smart Applications related to vehicles' improvements, any transportation-related smart system that focuses on road/vehicles for safety purposes. Examples: Accidents/crash reporting, driver vital measures, speed control systems, parking booking, forgotten children, car locks, fining systems, car cooling, traffic lights control and etc.

INDUSTRIAL AND MECHANICAL SYSTEMS

Designing, manufacturing and maintenance of smart industrial and mechanical systems and operation of machines and tools with industrial use, including eco-friendly devices like air conditioners, smart recycling bins, smart vending/ recycling machines, enhanced and environment friendly printers. It also includes flying bags, grass cutters, animals' feeding machines, scanners, projectors, and smart seats/chairs, modifications on wardrobes and closets, and modifications on stairs.

AVIATION, AERODYNAMICS, AND VEHICLES DESIGNS

Any Development on Vehicle's designs and improvements (design, manufacture, operate, or maintain) excluding Smart Applications. It covers airplanes, cars, trains, and boats designs, including the development of ecofriendly vehicles, drones, aerospace projects, flying cars, tires modification, tanks improvements, car covers and etc). It also includes all Remotely

Operated Vehicles (ROV), Unmanned Aerial Vehicles (UAV) or drones, and Autonomous Underwater Vehicles (AUV).

HEALTH SYSTEMS and BIOINFORMATICS

This category focuses on systems specifically designed to address issues of human health and disease, and tackling those issues by utilizing smart technology, developing different smart systems by the use of data to improve efficiency and outcomes of medical services. It includes smart systems used for the diagnosis, treatment, prevention of disease and other damage to the human body or mental systems, and includes patients' records and drugs management.

It also includes projects that involve the application of engineering principles and design concepts to medicine and biology for healthcare purposes including diagnosis, monitoring and therapy, and development of various diagnostic and therapeutic medical devices. Examples: Cancer detection device, artificial joints, health monitoring devices (blood pressure, sugar level, temperature and etc), smart medicine fridge, systems to detect or support healing of medical disorders.

SYSTEMS FOR THE BENEFIT OF THE DETERMINED ONES (SYSTEMS FOR THE BENEFIT OF SPECIAL NEEDS)

Any project designed for the benefit of "The Determined Ones", including Smart or Safety Systems (object recognition devices, sensing, actuation, and control systems that make decisions based on the available data including GPS applications). Examples: Any project designed for the benefit of Blind and Deaf individuals, developments on wheelchairs, applications and games for autistic children, projects that support paralyzed individuals, and individual with Parkinson's disease.

ENERGY, ENVIRONMENT, AND APPLIED SCIENCES

APPLIED CHEMISTRY

Includes biochemistry/chemical engineering/air and water chemical purification methods, preservatives, medicines, cosmetics from natural products, enzymes, preservatives, insulators sanitization and disinfection using chemical methods, and applications of environmental chemistry.

MATERIAL SCIENCES

The study of the characteristics and uses of various materials with improvements to their design which may add to their advanced engineering performance. Examples are ceramic and Glasses, Composite Materials, Nanomaterials, Hydrophobic Materials, and Polymers.

APPLIED PHYSICS

Magnetics and Electromagnetics, devices that works based on thermoelectric concept (utilizing the difference in temperature to cool or heat, heating/cooling mechanisms), cooling suits and helmets (does not have a smart system) , microscopes, lenses, glasses, wireless charging, chargers, superconductors, air and water purification using physical methods like electromagnetism, sanitization and disinfection using physical methods like waves/ultrasound, and LiFi technology applications.

BIOLOGY

Studies the structure, function, intracellular pathways, and formation of cells, including Cell Physiology, Cellular Immunology, Genetics, Molecular Biology, and Neurobiology in addition to the study of micro-organisms, including bacteria, viruses, fungi, prokaryotes.

HEALTH SCIENCES

This category focuses on studies specifically designed to address issues of human health and disease. It includes studies on the diagnosis, treatment, prevention or epidemiology of disease and other damage to the human body or mental systems (not Smart Systems). It also includes medicinal chemistry/biology/microbiology/genetics projects.

ENERGY AND ENVIRONMENT

Studying of renewable energy structure and processes related to energy production and efficiency. Examples: Piezoelectricity, Sea waves energy and Hydropower, Mechanical to Electrical Energy, Nuclear Power, Thermal Power, Sound waves power, wind power, speed-breakers, Alternative Fuels (methane, natural gas and etc) , New applications on Solar Energy, Fossil Fuel Energy , Microbial Fuel Cells, Hydrogen Cells, energy from soil and plants, modified and improved solar cells, and the study of materials that convert/store solar energy through chemical changes including photovoltaic material , and Sustainable Home Designs that are ecofriendly in terms of electrical energy production via renewable/alternative energy sources.

It also includes projects studying waste disposal and waste management, recycling, air purification techniques (excluding smart garbage bins and pollution detection systems), and weather stations.

FOOD SECURITY

Projects that focus on agriculture science and increase the agricultural efficiency, enable sustainable food production through the use of modern technologies, regulate the domestic consumption of the most important products, increase the production capacity, and enhance the physical and economic access to sufficient, safe and nutritious food to meet dietary needs and food preferences for an active and healthy life of humans. It also includes Bioremediation and aquaponics agriculture projects, smart irrigation, smart garden, and automated agriculture. Etc.

WATER SUSTAINABILITY

Projects that aim to ensure sustainable access to water during both normal and emergency conditions, reduce total demand for water resources, reduce the water scarcity, reduce average water consumption per capita, increase the reuse of treated water and increase water storage capacity. It also includes all projects that focus on Water Demand Management, the Water Supply Management, and Water Production and Distribution. In addition to water purification techniques, wastewater treatment, desalination projects, collecting water from fog, and modifications on showers and faucets.

JUDGING PANEL

- An external committee will be convened to judge the best-presented projects at the Think Science World Competition.
- Scientists, engineers and professionals from higher education (PhD holders specialized in science and engineering) are invited to apply as judges, volunteering to evaluate the innovative science projects competing at the International Level in the Think Science World Competition in April 2020.
- Judges volunteer their time and pay their own travel expenses. However, accommodation & meals are covered during event days for international attending judges.
- Applicants should be:
 - Fluent English Speaker
 - Mastering a second language is preferable
 - Specialized in any field of science, engineering, and technology (Mechanical Engineering, Electrical Engineering and Electronics, Industrial Engineering, Chemical Engineering, Petroleum Engineering, Information Technology, Artificial Intelligence, Robots, Smart Systems, Safety Systems, Applied Physics, Applied Chemistry, Environmental Sciences, Biology, and Biomedical and Health Sciences and etc)

AWARDS

THINK SCIENCE AWARDS

- All finalists will receive Participation Certificates
- Grand Awards will be announced on the last day of the fair
- All members of winning projects will receive Winning Certificates
- Winning projects will be awarded with cash prizes.



LEADERSHIP SUPPORT

Brilliant young scientists who participated in the Think Science Competition were recognized and honored by esteemed leadership by the United Arab Emirates for the scientific contribution to society during the award ceremony.



H.H. Sheikh Mohammed bin Rashid Al Maktoum

Vice President & Prime Minister of the United Arab Emirates and Ruler of Dubai

H.H. Sheikh Abdullah Bin Zayed Al Nahyan

Minister of Foreign Affairs & International Cooperation and Chairman of Emirates Foundation



H.H. Sheikh Hamdan bin Mohammed bin Rashid Al Maktoum

Crown Prince of Dubai and Chairman of the Dubai Executive Council

H.H. Sheikh Mohammed bin Rashid Al Maktoum

H.H. Sheikh Theyab bin Mohamed Al Nahyan

Board Member/ Chair of the Executive Committee

CONTACT US

I HAVE A QUESTION ABOUT THE THINK SCIENCE WORLD COMPETITION AND FAIR. WHO CAN I CONTACT?

Please contact us on think.science@emiratesfoundation.ae and a member of the Think Science team will get back to you shortly.