

Hamdan Foundation  
Publishes  
"The Pure Heart"  
Book

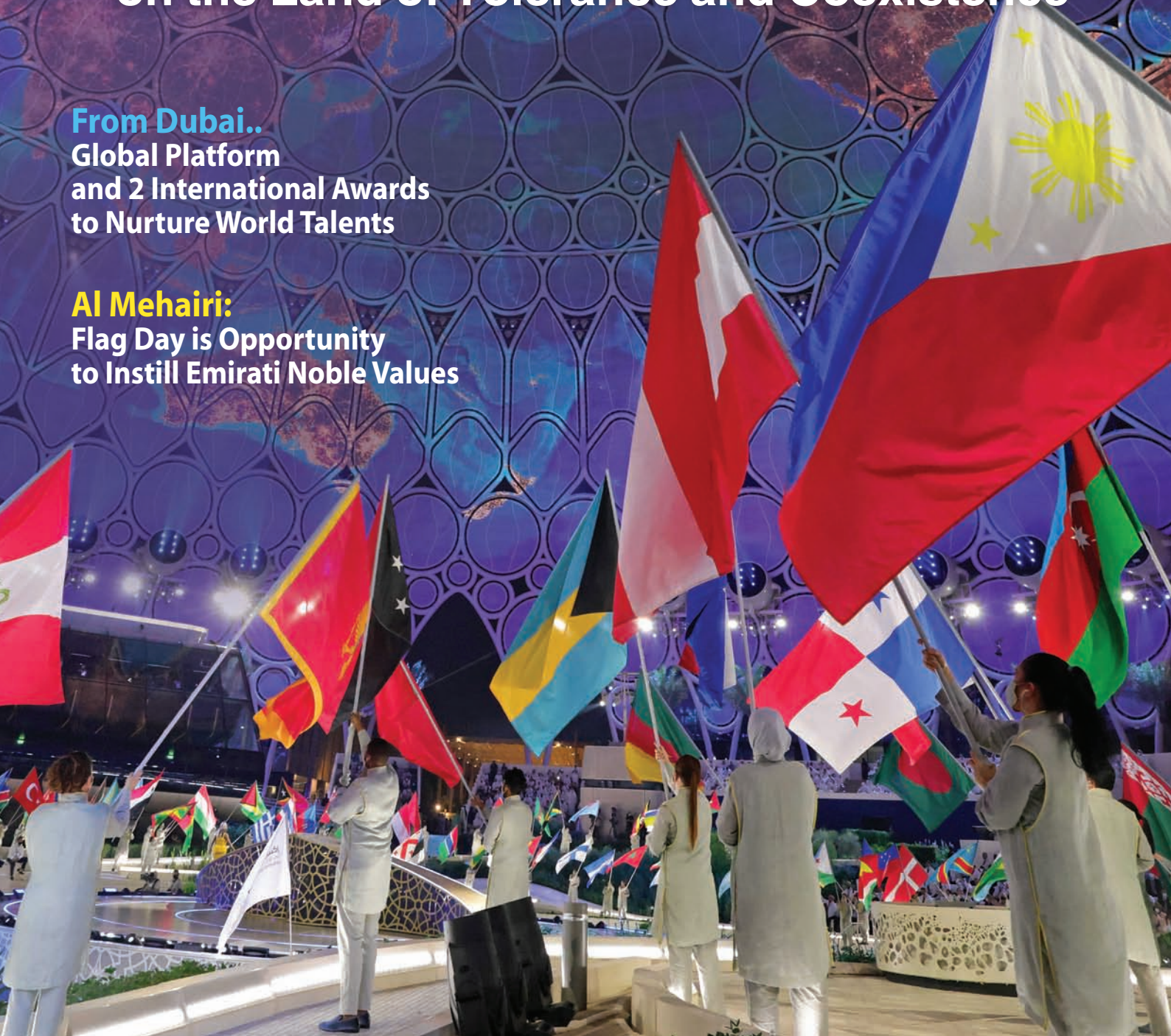


**AIT Akhbar**  
**Tamayoz**  
Newsletter - November 2021 - issue 137

# Expo 2020 Dubai.. Civilizations and Peoples Meet on the Land of Tolerance and Coexistence

**From Dubai..  
Global Platform  
and 2 International Awards  
to Nurture World Talents**

**Al Mehairi:  
Flag Day is Opportunity  
to Instill Emirati Noble Values**





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Cover Story

**AIT** Akhbar  
**Tamayoz**

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**ICESCO and Hamdan  
Foundation**  
Discuss Ways to Promote  
Cooperation

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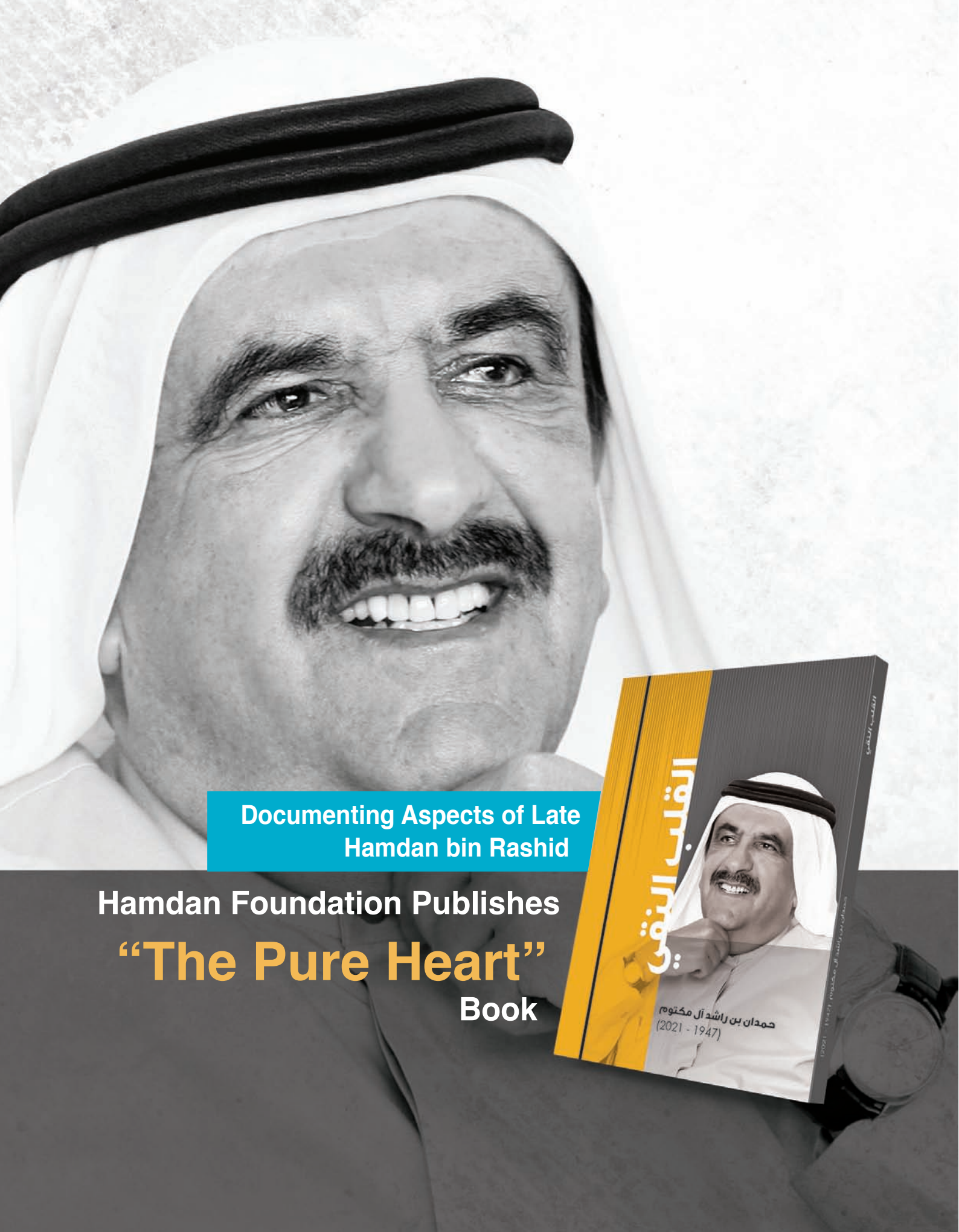
**Abdul Noor Ahmed  
Al Hashimi**  
Chief Editor

## ICESCO.. And Loyalty to Hamdan

- In the presence of the President of the Arab Republic of Egypt, the Hamdan bin Rashid Al Maktoum-ICESCO Prize for Voluntary Development of Education Facilities in the Islamic World celebrates the winners of its first and second sessions in Cairo. The event takes place on the sidelines of the 14th edition of the General Conference of the Islamic World Educational, Scientific, and Cultural Organization (ICESCO), which will coincide with the Global Forum for Higher Education and Scientific Research (GFHS).
- This prize, which was established in 2017 by an initiative of the late Sheikh Hamdan bin Rashid Al Maktoum, may his soul rest in peace, succeeded in establishing its name as one of the emerging initiatives on the map of empowering education in the Islamic world, thanks to the efforts of its organizers in ICESCO and the Hamdan Foundation. Despite the fact that 6 institutions, belonging to various Islamic countries, won the prize in its first and second editions, the attention that it received and the volume of participation in it have important implications. The turnout reveals the urgent need for some Islamic societies to support their educational system and to launch personal initiatives that support education in the Islamic nation regardless of the limelight. Both indicators call for contemplation from regional and global supporters.
- Perhaps organizing the celebration in this global forum, amid expectations that it will gain a huge media momentum, will contribute to enhancing the value of Emirati initiatives, governmental or individual, in support of various Islamic countries.
- In another gesture of sincere loyalty by ICESCO, to the late Sheikh Hamdan bin Rashid, the organization chose the deceased as the 'Personality' of the international forum "Women and the Arabic Language: Reality and Future Prospects." This choice comes as a perpetuation of the benevolence and lofty cultural and civilized values of the deceased, which spread throughout the great Islamic nation. Moreover, it is an appreciation for the support he provided to ICESCO towards civilized construction projects. It is an honoring that shows gratitude to the history of a man who harnessed his effort and wealth to serve his country, nation, religion, and language; a man who carried an educational and academic mission based on the nobility of morals, dissemination of knowledge, and promotion of values.
- These are beautiful gestures for which ICESCO officials deserve sincere thanks and gratitude, especially since the organization is considered one of the major international educational institutions that strive to developing and modernizing education in Islamic countries, besides bringing it to the level of future aspirations.

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Documenting Aspects of Late  
Hamdan bin Rashid

Hamdan Foundation Publishes  
**“The Pure Heart”**  
Book





## Dubai - 'Akhbar Al Tamayoz'

The Hamdan bin Rashid Al Maktoum Foundation for Distinguished Academic Performance published "The Pure Heart" book, which documents aspects of the life of the late Sheikh Hamdan bin Rashid Al Maktoum, may his soul in peace. The book uncovers hidden features of his personality and traits based on his presence and impacts in the national and humanitarian arenas, as he was well-known for his unlimited and generous giving in many areas, locally and internationally.

The book sheds light on the biography and career of the late Sheikh Hamdan bin Rashid, and his evident impacts on the political, economic, social, and sports domains. It also narrates achievements made by him as one of the UAE's notable figures. During his career, he assumed high responsibilities and positions in the areas of finance, municipality, health, media, and sports, in addition to his personal support provided for the two most important sectors, education, and health. To honor and perpetuate his past fruitful life, the book talks about entrenching the name of the deceased in the register of benefactors. It includes speeches of the UAE leaders and political symbols, mourning of the deceased and his good deeds. The book also lists the views and memories of senior officials and the deceased's companions with him. Furthermore, many officials from regional and international bodies and organizations spoke in the book about the contributions of the late Sheikh Hamdan that will always be memorized by the history and the conscience of humanity.

### Initiative

Dr. Jamal Al Mehairi, Deputy Chairman of the Board of Trustees and Secretary-General of the Hamdan bin Rashid Al Maktoum Foundation for Distinguished Academic Performance, stated: "The Pure Heart" book issued by the Foundation is a humble initiative compared to the giving, generosity, mastery, and charity of the late Sheikh Hamdan bin Rashid Al Maktoum, may his soul rest his

> The book sheds light on the deceased' biography and evident impacts on political, economic, social, and sports domains



soul, who was known for his nobility and kindness in words and works, in secret and in public. We have tried to shed light on aspects of his personality, national impacts, and luminous human achievements." He added, "History has windows overlooking humanity shining through the glorious deeds of its owners in the service of humanity and nations. The late Sheikh Hamdan bin Rashid Al Maktoum was one of those great personalities that were characterized by deep faith, a spirit of responsibility, insight, and positive interaction. The love of good deeds, wisdom, tolerance, passion for knowledge, and influential presence in situations and crises were some of his supreme traits throughout his life. They were evident by every person who dealt with him. He was friendly in his speech and always eager to hear about developments,

especially on topics related to progress and areas that benefit people, particularly about their basic services, such as sustenance, health, education, culture, and sports." Dr. Jamal Al Mehairi continued, "He, may Allah have mercy on him, have never taken into consideration ethnic, religious, or gender affiliation. His first concern was to achieve what he could do to solve problems anywhere, especially in developing and poor societies. His assistance did not stop at building orphan homes and schools, or health, cultural, and professional centers. He was keen on putting these institutions in service to help hundreds of thousands of people."

### Humanitarian Contributions

Furthermore, Al Mehairi pointed out that writing about the deceased benevolence towards humanity and his charitable works and contributions

can in no way be covered by books and volumes, as he was eager for goodness. Despite his great responsibilities in government work and multiple obligations, he had great impacts on charity and launching initiatives. Since the establishment of the UAE, he joined the government to contribute to building the country in its most difficult stage and continued to serve his country for 50 years, facing great challenges. He had an effective impact on the process of sustainable development. In addition, he contributed to the prestigious ranks that the UAE reached in international competitiveness. He highly valued the efforts of all those who contributed and participated in the book, including the elites of officials, companions, and institutions, that recalled unforgettable situations with the deceased of the humanity, who used to work silently and quietly.



**Khalifa Al Suwaidi Gives the Organization's Director-General Copy of "The Pure Heart" Book**

## **ICESCO and Hamdan Foundation Discuss Ways to Promote Cooperation**

**Rabat - 'Akhbar Al Tamayoz'**

**ICESCO and Hamdan bin Rashed Foundation for Distinguished Academic Performance Explore Cooperation Prospects The Hamdan bin Rashid Al Maktoum Foundation for Distinguished Academic Performance and the Islamic World Educational, Scientific, and Cultural Organization (ICESCO) discussed ways to promote cooperation between both parties in the field of education.**



› **Discussing preparations for launching 3rd edition of the Prize provided by the two institutions**



› **Reviewing arrangements for award ceremony of Hamdan-ICESCO Prize for Voluntary Development of Education Facilities in Cairo**

They held a meeting joining Dr. Salim bin Mohammed Al Malik, Director-General of ICESCO, and Dr. Khalifa Al Suwaidi, a member of the Board of Trustees of Hamdan Foundation. During the meeting held at ICESCO headquarters in Rabat, the two parties reviewed the arrangements for the award ceremony of the two editions of Hamdan bin Rashid Al Maktoum-ICESCO Prize for Voluntary Development of Education Facilities in the Islamic World, to be

held during the 14th Session of the General Conference and the 42nd Session of the Executive Council of ICESCO, which will be both hosted by the Arab Republic of Egypt, on 6-9 December 2021. The parties also discussed the preparations for launching the third edition of the Prize launched by the two institutions to encourage outstanding, sustainable, and comprehensive education projects, and pay tribute to the people and institutions in

charge of voluntary initiatives and charity works in the field of education. The meeting also tackled the Foundation's participation in the international conference which ICESCO will hold in December, in celebration of the World Arabic Language Day, under the theme, "Women and the Arabic Language: Reality and Prospects." This conference will pay tribute to the late Sheikh Hamdan bin Rashid Al Maktoum, in recognition of his efforts to promote the Arabic Language.

At the close of the meeting, Dr. Al Suwaidi presented the Director-General with a copy of "The Pure Heart", a book issued by the Foundation, which documents the journey of the late Sheikh Hamdan, who was a prominent patron of educational and health initiatives and a devoted supporter of Arab and Islamic culture. Dr. Ahmad Said Bah, Advisor to the Director-General for Partnerships and Interna-







**Hamdan Foundation Marks the Occasion at its Headquarters**

**Al Mehairi:  
Flag Day is  
Opportunity  
to Instill Emirati  
Noble Values**





## Dubai - 'Akhbar Al Tamayoz'

The Hamdan bin Rashid Al Maktoum Foundation for Distinguished Academic Performance marked the UAE Flag Day at its headquarters, with the participation of its staff, headed by Dr. Jamal Al Mehairi, Deputy Chairman of the Board of Trustees and Secretary General of the Foundation, side by side with many of the Foundation's directors. The celebration began with the Emirati national anthem, then Dr. Jamal Al Mehairi hoisted the flag, while the attendees were joyfully carrying flags, with the feelings of love for the country, and the values of pride, loyalty, and belonging to its soil.

- > **Flag Day is beloved occasion by everyone living in UAE**
- > **Attendees pledged to move forward in the blessed march established by founding fathers**

The attendees exchanged greetings on this invaluable occasion and pledged to move forward in the blessed march established by the founding fathers, in order to achieve the visions and directions of the sagacious leadership and to contribute to the UAE's journey for the next fifty years.

### Inspiring Model

Dr. Jamal Al Mehairi confirmed that Flag Day is a beloved occasion to the hearts of everyone living in the UAE, "and this year we bid farewell to five decades during which the UAE, since its foundation, has shown an inspiring model for development, advancement, and human-building by

the founding fathers, so the UAE, under its wise leadership, will keep on its journey for the next fifty years."

He pointed out that the Hamdan bin Rashid Al Maktoum Foundation for Distinguished Academic Performance is a part of the national work system as it supports talents and strengthens the education system aimed at qualifying human cadres that play a key role in development in all fields.

Al Mehairi concluded, "The Flag Day is a great opportunity to instill the highest noble values on which the UAE was founded, urging generations to work, and keep the flag of the nation fluttering among nations."

Hamdan Foundation Hosts 1st World Giftedness Center International Conference

## From Dubai.. Global Platform and 2 International Awards to Nurture World Talents





**Dubai - 'Akhbar Al Tamayoz'**

**The 1st World Giftedness Center International Conference, organized by the Hamdan bin Rashid Al Maktoum Foundation for Distinguished Academic Performance, witnessed the inauguration of the World Giftedness Center (WGC), the first global platform for nurturing the gifted. The conference was held at Expo 2020 Dubai, Dubai Exhibition Centre and online from 18 to 21 October 2021. Attended by more than 700 people from 50 countries, the conference also witnessed the launch of two international awards: the first of which is the 'Applied Research Global Award of Gifted Education,' and the second is the 'School Global Award Initiative of Gifted Education.'**





With a reward of US\$ 50,000 (US\$ 25,000 each), the awards aim at encouraging research and initiatives directed at the giftedness sector and school efforts that help support talented students around the world.

By the end of the conference run under the theme 'Talent Development for New Era - Discover Possibilities, Change for Better,' the organizers announced that the 2nd World Giftedness Center International Conference is slated to be held from 16 to 19 October 2023 in Dubai.

### Deeper Understanding

His Excellency Hussain bin Ibrahim Al Hammadi, Minister of Education and Chairman of the Board of Trustees of the Hamdan bin Rashid Al Maktoum Foundation for Distinguished Academic Performance, said: "It is a special day to meet in this international conference within this global event, Expo 2020 Dubai, to review and discuss the most important topics related to giftedness."

HE added: "Our presence today within Expo 2020 Dubai constitutes an extraordinary opportunity to explore the future prospects of the gifted individuals from all over the world, and create an opportu-

› WGC is first global platform for nurturing the gifted

› The 2 international awards are about applied research and school initiatives in giftedness care

› Dubai hosts 2nd World Giftedness Center International Conference on 16 October 2023

towards educating the gifted in particular, and the future of talent in general. Here, we remember the late Sheikh Hamdan bin Rashid Al Maktoum, the Supreme Chairman of the Hamdan bin Rashid Al Maktoum Foundation for Distinguished Academic Performance, may God rest his soul, who passed away last March after a life full of work and giving toward humanitarian and educational initiatives. He never hesitated to extend a helping hand and empower those who were in need."

### Collaboration of Mankind

He pointed out addressing the gathering: "As you know that the educational systems from all countries of the world have gone through a period of turmoil and apprehension due to the repercussions of the Covid crisis, and it is good that this great challenge has strengthened the collaboration of mankind to confront and overcome it. We have seen together how this affected the pace of recovery and achievement in the educational field. However, thanks to innovative smart solutions, we have more flexibility and experience in building hybrid systems between tradition and modernity that provided more educational opportuni-

ties to accommodate more learners with fewer efforts and resources."

He said: "We should be proud that the United Arab Emirates, under the leadership of President His Highness Sheikh Khalifa bin Zayed Al Nahyan, was one of the pioneering countries in empowering educational institutions that provided appropriate solutions for students to continue learning, while the government continued in paying great attention in investing in creative minds and talents, through the process of sustainable development."

He continued by saying: "The Hamdan bin Rashid Al Maktoum Foundation for Distinguished Academic Performance is working diligently with its partners at the University of Rezenberg in Germany to build a global platform for the gifted that brings together the elites of scientists, students, experts, and researchers in order to provide methodologies, tools, and scientific developments. Thanks to the wonderful work of the late Sheikh Hamdan bin Rashid Al Maktoum - may God rest his soul - in the service of global education, who always repeated the slogan: (We care for the Gifted, for Our Planet)."





**Hussain Al Hammadi**



**Jamal Al Mehairi**

### Benchmark

During the 1st WGC International Conference, Dr. Jamal Al Mehairi, Deputy Chairman of the Board of Trustees and Secretary General of the Hamdan bin Rashid Al Maktoum Foundation for Distinguished Academic Performance, stressed the Foundation's commitment to developing innovative platforms that facilitate learning and sharing.

He said, "We are very proud to present the first edition of World Giftedness Center International Conference, where we encourage communication and sharing of ideas and experiences among thought leaders from varied fields. We are confident that the launch of WGC and the conference will serve as a benchmark for skill development and talent mentoring across the globe."

### Ideal Platform

Al Mehairi added: "The conference offered an ideal platform to highlight best practices in gifted education and talent development industries from all across the world. Throughout its 4 days, the conference set a high benchmark for skill development and talent mentoring across the globe, where like-minded participants were given the opportunity to share exper-



## WGC Objectives:

- Disseminate and encourage a culture of best practices
- Excel in talent development in the international community
- Share best practices with the global education community for the gifted
- Establish a global network of research institutions and mentoring centers in gifted education
- Create an evidence-based informational and organizational center for those involved in developing excellence

- › **Hussain Al Hammadi:** The UAE, under Khalifa leadership, was one of the pioneering countries in empowering educational institutions
- › **Jamal Al Mehairi:** we are committed to develop innovative platforms that facilitate learning
- › **The late Sheikh Hamdan bin Rashid was supporter of educational organizations and institutions**
- › **700 people from 50 countries attended the conference**

## Simulation Efficacy

The conference discussed the role of "Simulation Efficacy" in developing learning and exploring the possibility of educated individuals acting effectively as actors in their learning. It also underlined the individual and social conditions that enable or prevent this efficacy.

tise and transfer best global practices and knowledge." He concluded: "In its first edition, the conference contributes to achieving the WGC's goals in spreading and encouraging the culture of best practices, excellence in talent development in the international community, sharing best practices with the global gifted-education community, and establishing a global network of research institutions and consultancy centers in this sector. Among other objectives also is creating an evidence-based information and regulatory hub for all stakeholders involved in developing excellence around the world."

## Scholars Review Research Results in Education and Development of Talents



Scholars participating in the 1st WGC International Conference reviewed the results of pioneering research in the fields of gifted education and talent development. Gifted practitioners also shared the best examples of their distinguished experiences. The event served as an excellent platform for local, regional, and international networking, to share knowledge and ideas among leading researchers and practitioners around the world.

The conference was attended by renowned global researchers, educationalists, psychologists, parents, and anyone interested in gifted education and talent development from all

across the world.

The 1st World Giftedness Center International Conference threw light on a diversity of important topics, such as the implementation of effective mentoring for talent development, underachievers, learning and learning resources, ecological dynamics and skill development, self-regulated learning, creativity, acceleration, advocacy, intelligence, twice-exceptional, and counseling, among many other subjects.

His Excellency Dr. Saud bin Saeed bin Abdulaziz Al-Mathami, the Secretary General at King AbdulAziz and His Companions Foundation for Giftedness and Creativity, stated: "It is

great that this conference is held within the global event Expo 2020 Dubai, in which the most important topics related to the gifted are discussed. Undoubtedly, the conference is a global platform for nurturing the talents in the world, and this greatly supports the establishment of a global network of researchers and scholars interested in talent affairs through scientific journals, publications, meetings, conferences, or awards launched during the conference. These include the 'Applied Research Global Award of Gifted Education' and the 'School Global Award Initiative of Gifted Education.' They aim to encourage research and

initiatives directed to the talent sector and school efforts that help support gifted students across the world." He added: "The Hamdan bin Rashid Al Maktoum Foundation for Distinguished Academic Performance has always been working diligently with its partners to build a global platform for talents that brings together the elites of scholars, students, experts, and researchers. We, at the King Abdulaziz and His Companions Foundation for Giftedness and Creativity (Mawhiba), have witnessed this cooperation through several mutual partnerships to nurture talents for the prosperity of all mankind."



## Participants Focus on Acceleration and Enrichment Measures



During the conference, participants focused on the measures of acceleration and enrichment. They said: "Continuing evidence in the research literature indicates that acceleration and enrichment measures are insufficient. Traditional measures fail in particular when individuals are not satisfied with merely being good at something and strive for excellence in the field of giftedness. To achieve maximum performance levels, learners need additional forms of support directed by talented teachers, such as self- and structured-learning skills and effective mentoring options."

Dr. Annette Heinbuckle, based in Bremen, Germany, said: "There are two main options for gifted children: enrichment or acceleration and their combinations. Of all the known research, enrichment is often offered and accepted, knowing that acceleration has a multiplier effect as ac-



celerators indicate a beneficial effect on the intellectual and emotional health of the gifted."

Dr. Lianne Hoogeveen, from Radboud Nijmegen University in the Netherlands, pointed out that to meet the needs of students with high abilities, the curricula must be adapted, as there are different ways to do this -- separate classes, program compression and enrichment, and/or acceleration of the program. In addition, there are many ways to accelerate student learning -- some of them are notable in small proportions: Early entry and skipping classes are the two primary types of acceleration that people seem to think of.

She noted that other types of acceleration, such as combined classes and unclassified schools, which allow for acceleration. They are implemented in many educational systems, but are not sufficiently observed and documented.

## About Coping and Pursuing Creative Work With Talented Students

# Experts and Professionals Share Experiences and Inspiring Stories



### Dubai - 'Akhbar Al Tamayoz'

Experts and specialists in gifted education shared their experiences and inspiring stories about coping and pursuing creative work with gifted students. Participants explored the potential consequences of creativity on gifted people from different aspects.

Dr. Shane N. Phillipson, from the College of Education at Monash University in Australia, discussed the usefulness of the active interaction model for describ-

ing learning environments in different international contexts. He highlighted drawing on machine learning techniques and describing efforts to model interactions between key components in the learning environment and the possibility of technology to predict results based on changes in these components.

He said: "The Active Engagement model represents an important change in thinking about how schools can best manage their learning environment in order to enhance outcomes. More broadly, the

Active Engagement model provides policymakers with the tools to make informed decisions about how best to manage resources, and to assess the success of their decisions."

### **Optimal Performance**

Prof. Alejandro Veas, from the University of Alicante, Spain, gave a presentation on optimal academic performance, which is one of the primary goals of all countries, as it enables social and economic progress. He said: "Research in the 20th Century focused on the cog-

nitive perspective. However, in the current century, it has moved towards contextual attitudes. Many variables are included in the intermediate and conditional models. Traditionally, these research strategies have been directed toward determining the process of identifying gifted students and improving their potential."

### **Methodological Framework**

Dr. Jiri Modrak, from the Institute of Psychology at the Czech Academy of Sciences, presented an integrative methodological framework



> Gifted children have exceptionally high intelligence and intense focus

> Participants explored potential effects of creativity on talented people



that depicts competency development as a process of continuous interactions between individual learners. The presentation by Dr. Eleftheria Gonida, from the Aristotle University of Thessaloniki, Greece focused on the contribution of motivation to self-organized learning in academically gifted and high-achieving learners. According to her, self-regulated learning is an active multifaceted process that includes cognitive, metacognitive, motivational, emotional and behavioral aspects, all of which interact towards the achievement of a learning goal.”

### Research and Promotion

Dr. Bettina Harder, Head of Educational Psychology and Research in Excellence at the University of Erlangen-Nuremberg in Germany, said: “The Talent Center in Southern Germany is one of the two European talent centers accredited by the European Talent Support Network in Germany. It includes a lot of research and promotion programs. It also connects professionals in the field, and organizes events such as monthly web-

inars with expert discussion.”

### Intentional Relationship

Dr. Duarte Araujo, from the CIPER Interdisciplinary Center for the Study of Human Performance at the Faculty of Human Kinesiology at the University of Lisbon, Portugal, said: “Behavior is not just a separation of parts of the anatomy in time and space. It is an intentional relationship that a person establishes with certain circumstances. When learning a skill, behaviors develop into more complex ones.”

Dr. Wilma Viall of the University of Wollongong, Australia, said: “Despite decades of research, policy support, and examples of good practice, acceleration remains one of the most controversial strategies for meeting the needs of gifted students. The main reason many teachers reject acceleration practices is that they compare it to skipping several whole years, which results in students graduating from their high school years before the age group.”

### Excellent Achievements

Dr. Yan Kong, from the Department of Psychol-

ogy, University of Science and Technology, China, emphasized that in view of the need for “early training of talents and acquisition of early results” in China’s development, the University of Science and Technology of China creatively invented a special classroom for talented youth in March 1978. This classroom enrolls students aged 15 or younger, who have extraordinary intelligence and excellent achievements.

Dr. Tracy Riley, from Massey University in New Zealand, said: “The World Council for Gifted and Talented Children has recognized that gifted children have a right to an education that recognizes, develops, and celebrates their abilities. The Council’s mission is to focus global attention on gifted children to ensure they realize their potential for the benefit of humanity.”

### Intense Focus

Dr. Jimmy Kam Yu Wong, from the Hong Kong Academy for Gifted Education, said: “Gifted children are often seen as having exceptionally high intelligence, intense focus, per-

haps a brilliant memory. Sometimes they are very creative, but how will these talents prepare those ‘Super Children’ to excel in the age of the Internet and artificial intelligence, where the cost of computer memory is almost free and can be stored in the ‘cloud’ instead of our minds? Moreover, the presence of artificial intelligence is a challenge, and even exceeds human intelligence in all aspects of our work and our lives.”

### Long Paths

Dr. Heidron Stoeger, Head of School Research, Development, and Evaluation at the University of Regensburg, Germany, said: “When asked about their talent development paths, leading experts have at least one thing in common -- they always describe the presence of different types of mentors while developing their talents. Investigations into such reports have revealed that mentoring relationships are critical as individuals often go through long and arduous paths from being novices to outstanding talent experts.”



Launched by Hamdan Giftedness Center

## Huge Turnout from GCC Talents at “Future Science Challenge”



## Dubai - 'Akhbar Al Tamayoz'

Organized by the Hamdan bin Rashid Al Maktoum Center for Giftedness and Creativity, an affiliate to the Hamdan bin Rashid Al Maktoum Foundation for Distinguished Academic Performance, the "Future Science Challenge" witnessed huge turnout from talented people in the Gulf Cooperation Council (GCC) countries, who were keen on showing their creativity in an ideal interactive virtual environment.

During this virtual competition, which is the first of its kind at the regional level for talented students in the fields of artificial intelligence (AI) and the Internet of Things (IoT), the judges followed five different criteria to evaluate projects: the ability to design, innovative thinking, programming ability, presentation, and communication skills.

The competition contained several stages, where the project's submission began on 10 October, and the deadline was on 18 November. The assessment process was carried out from 18 to 24 November, and the honoring ceremony was set on 25 November.

The Center called on the participants to follow several instructions when filming their projects. The submitted video should be in MP4 or MOV format, of no more than 200 MB in size. The sound and light of the video should be clear. It should contain: a brief of the team, an introduction to the project, defining the objective of the project, a full explanation of the project, its design, programming, tools used, and the working method, in addition to taking one uninterrupted shot of the project model while working.

Furthermore, all students should appear in the video, explaining each student's



› The competition is opportunity to display winners' ideas before technology institutions to implement them

› Developing social skills and team spirit of participating students, and promoting talent and creativity culture



role in the project implementation. The Center also pointed out that the methods of presenting the project in the video are unlimited, but shall be clear and easy to understand.

As for the poster to be submitted on the competition platform, it should be in PDF format, and a maximum of 3 posters can be drawn, combined in one PDF file, the size of each should not be more than 297 mm x 420 mm, i.e. A3 paper size. The tools used in the project are to be mentioned along with the names of the project, team, and students, and the project's key functions.

The competition aimed to enhance the learning of AI and IoT principles by focusing on interdisciplinary learning methods for talented and outstanding students in the field of science and technology. This

is achieved by the use of a virtual platform that enabled participating students to showcase the stages of development of their projects and share them with their colleagues. All the above helped the talented highlight their capabilities by providing an ideal competitive environment, giving students an opportunity to solve real problems, implementing a prototype of such solutions, and sharing them with others.

Moreover, the competition provided an important opportunity to display the ideas of the winning students before institutions specialized in the field of technology to support the possibility of implementing them, in addition to developing the social skills and team spirit of the participating students, and promoting the culture of talent and creativity among them.



## ‘Hamdan Global Forum for Excellence’ Focuses on Future and Challenges of Quality Education

### Dubai - ‘Akhbar Al Tamayoz’

The Hamdan bin Rashid Al Maktoum Foundation for Distinguished Academic Performance organized a discussion session on the future, prospects, and challenges of quality education, in which the main speaker was His Excellency Dr. Husam bin Abdulwahab Zaman, Development Consultant and Expert, and the former President of the Education Evaluation Commission in the Kingdom of Saudi Arabia. During the session, Dr. Zaman reviewed the distinguished global practices and leadership experience in the higher and public education. He also discussed the most important lessons learned from the application of quality standards, performance review, and continuous improvement processes. In addition, he focused on the relationship of quality operations with sustainable development, justice, economic development, and social modernization.

He started the session by defining good education and the quality of its outputs, i.e., the quality of the student. He said: “Among the features of quality education is enhancing the passion for lifelong learning, and acquiring the ability to coexist and be tolerant with different ideas, in addition to the ability to apply knowledge and skills creatively in new situations. They also include empowering individuals of independent thinking and providing them with what is needed to be active in society.”

### Economic Burdens

Dr. Zaman said: “Quality education eases the economic burdens of the existing societal inequality. It is a guarantee of confidence and societal cohesion, ensuring acceptance of economic and career development in light of the availability of the skills necessary to transfer to other jobs.”

He stated that we can determine the existence of quality education, in the short term,

by noticing the continuous improvement in learning outcomes for students by independent measures. As for the medium and long term, quality education is determined through the growth of the knowledge economy’s contribution to economic growth, not to mention through social development and the stability of educational policies, with the seriousness and transparency of periodic review.

He added: “Quality education is one of the goals and conditions of sustainable development set by the United Nations Educational, Scientific and Cultural Organization (UNESCO). Achieving quality is financially costly. However, this does not necessarily mean an increase in spending; rather, it requires rationalizing, directing, and raising spending efficiency.”

### Alternative Solution

Dr. Zaman pointed out that the improvement in students’ results is not related to the increase in the

time allocated to teaching, school attendance, or even the number of school days per year. He added “The best-performing education systems tend to place the quality of teachers above the classroom size. Moreover, technology provides quick solutions and disseminates them to the largest possible segment of beneficiaries. Hence, technology is always a required solution -- not an alternative one.”

HE Dr. Zaman concluded that “after the pandemic outbreak, we have an opportunity to return to better education. Thus, it is necessary to utilize the community and parents’ appreciation of the school and its role. It is also necessary to strengthen partnerships among them, pursue, and develop technical solutions. Furthermore, it is required to develop and diversify methodologies and evaluation methods, besides strengthening community partnership with institutions and bodies that support culture and education.”



Presented by Mohammed Al Shamsi, 1st Emirati International Robotics Expert

# Hamdan Foundation Organizes Robotics Course



## Dubai - 'Akhbar Al Tamayoz'

The Hamdan bin Rashid Center for Giftedness and Creativity, of the Hamdan bin Rashid Al Maktoum Foundation for Distinguished Academic Performance, announced the organization of a robotics course presented by Eng. Mohammed Al Shamsi, the first Emirati international robotics expert. Targeting students older than 15 years old, the Center stated that the course aims

- › The course empowers attendees in AI skills
- › Teaching Python Programming and use of robot control algorithms

to introduce participants to robots and how to program them, in addition to empowering participants in artificial intelligence (AI) skills.

Al Shamsi pointed out that the course, held on 21, 23 and 25 November, includes robotics fundamentals (the basic level), to introduce robots, their types, the basic components of robots, programming, and their fundamentals.

The course also includes Python Programming (the intermediate level) that will

be held on the 5, 7, and 9 December, aiming to introduce the basics of Python Programming, control of a drone by Python Programming, and the use of robot control algorithms.

In addition, the course will highlight the AI (the advanced level) that will be held on the 12, 14, and 16 December, to teach students how use image analysis techniques, face recognition, and aviation supported by AI.