ساي فـيــســـت دبي
SciFest Dubai
2018 Programme of Events

You don't have to be
a **scientist**
to love **science.**

Date: Monday 24th September Time: 10:00am – 12:00pm	Opening Ceremony Emerging Technologies: The Future of Work, Education & Humanity
Overview	**Emerging Technologies: The Future of Work, Education & Humanity** We are living through a remarkable time in human history. Technologies such as Artificial Intelligence, Virtual Reality, Robotics and 3D Printing are advancing at an exponential rate. These emerging powerful tools are creating a future where we have access to an abundance of resources, live on Mars, or even upload our consciousness into machines. But are we prepared to live in such a world? This series of talks will provide our youth an overview of the future of work, education and humanity as a whole.
Keynote 1	**Speaker**: Dr Abdulla Al Karam (Director General, KHDA) **Title**: The Future of Education **Outline**: Virtual learning, digitization and augmented reality make obsolete our old definitions of a classroom in 2020. Unbundled, personalized, and dynamic education is the new normal.
Keynote 2	**Speaker**: Paul Epping (President, Singularity University Dubai Chapter) **Title**: The Technological Singularity **Outline**: The technological singularity is the hypothesis that the invention of artificial superintelligence will abruptly trigger runaway technological growth, resulting in unfathomable changes to human civilization.
Keynote 3	**Speaker**: Raya Bidshahri (Founder & CEO, Awecademy) **Title**: A.I., Automation, and the Future of Work **Outline**: Automation and artificial intelligence (AI) are transforming businesses and will contribute to economic growth via contributions to productivity. They will also help address "moonshot" societal challenges in areas from health to climate change.
Keynote 4	**Speaker**: Mikolaj Zielinksi (Mars One Candidate Astronaut) **Title**: The Mars Generation and the Future of Space Exploration **Outline**: Several space exploration missions are scheduled to occur in the future. In addition, we are trying to figure out ways to make manned space exploration possible for large amounts of time, so that humans may be able to safely travel far away from Earth in the future.
Keynote 5	**Speaker**: **Title**: The Future of Dubai **Outline**: The UAE Centennial Plan aims to make the UAE the world's leading nation by 2071 through a series of bold initiatives across a variety of industries. AREA 2071 is a physical manifestation of this vision with the sole purpose of creating positive global impact.
Keynote 6	**Speaker**: Rohan Roberts (Director, Dubai Science Festival) **Title**: Ubiquitous A.I. and Future-proofing our Youth **Outline**: We live in a world where anything that can be done by A.I. will be done by A.I. and anything that can be automated will be automated. How do we future proof our youth and prepare them for this radically different future?

Click here to register

Date	Workshop 1 (8:30am – 10:00am)	Workshop 2 (12:00pm – 1:30pm)
25 Sept.	**Title:** Cosmic Citizenship 101 **Target Age:** 10-12 | **Max Number:** 40	**Title:** Introduction to Exponential Technologies **Target Age:** 13-16 | **Max Number:** 40
26 Sept.	**Title:** Moonshot Thinking **Target Age:** 10-12 | **Max Number:** 40	**Title:** The Future of Work: A.I. and Automation **Target Age:** 13-16 | **Max Number:** 40
27 Sept.	**Title:** Introduction to Global Grand Challenges & Millennial Goals **Target Age:** 10-12 | **Max Number:** 40	**Title:** Technology for Good: Global Grand Challenges **Target Age:** 13-16 | **Max Number:** 40
30 Sept.	**Title:** Emerging Exponential Technologies **Target Age:** 10-12 | **Max Number:** 40	**Title:** Finding Massive Transformative Purpose **Target Age:** 13-16 | **Max Number:** 40
1 Oct.	**Title:** Future Fluencies, New Smarts, 21st C. Survival Skills **Target Age:** 10-12 | **Max Number:** 40	**Title:** Future of Education, the Contingent Workforce & the Gig Economy **Target Age:** 13-16 | **Max Number:** 40
2 Oct.	**Title:** Introduction to Artificial Intelligence **Target Age:** 10-12 | **Max Number:** 40	**Title:** Jobs and Skills of the Future **Target Age:** 13-16 | **Max Number:** 40
3 Oct.	**Title:** Cosmic Citizenship 101 **Target Age:** 10-12 | **Max Number:** 40	**Title:** Introduction to Exponential Technologies **Target Age:** 13-16 | **Max Number:** 40
4 Oct.	**Title:** Moonshot Thinking **Target Age:** 10-12 | **Max Number:** 40	**Title:** The Future of Work: A.I. and Automation **Target Age:** 13-16 | **Max Number:** 40
5 Oct.	**Title:** Introduction to Global Grand Challenges & Millennial Goals **Target Age:** 10-12 | **Max Number:** 40	**Title:** Technology for Good: Global Grand Challenges **Target Age:** 13-16 | **Max Number:** 40
6 Oct.	**Title:** Emerging Technologies **Target Age:** 10-12 | **Max Number:** 40	**Title:** Finding Massive Transformative Purpose **Target Age:** 13-16 | **Max Number:** 40
8 Oct.	**Title:** Future Fluencies, New Smarts, 21st C. Survival Skills **Target Age:** 10-12 | **Max Number:** 40	**Title:** Future of Education, the Contingent Workforce & the Gig Economy **Target Age:** 13-16 | **Max Number:** 40
9 Oct.	**Title:** Introduction to Artificial Intelligence **Target Age:** 10-12 | **Max Number:** 40	**Title:** Jobs and Skills of the Future **Target Age:** 13-16 | **Max Number:** 40
10 Oct.	**Title:** Emerging Exponential Technologies **Target Age:** 10-12 | **Max Number:** 40	**Title:** The Future of Work: A.I. and Automation **Target Age:** 13-16 | **Max Number:** 40

Click here to register
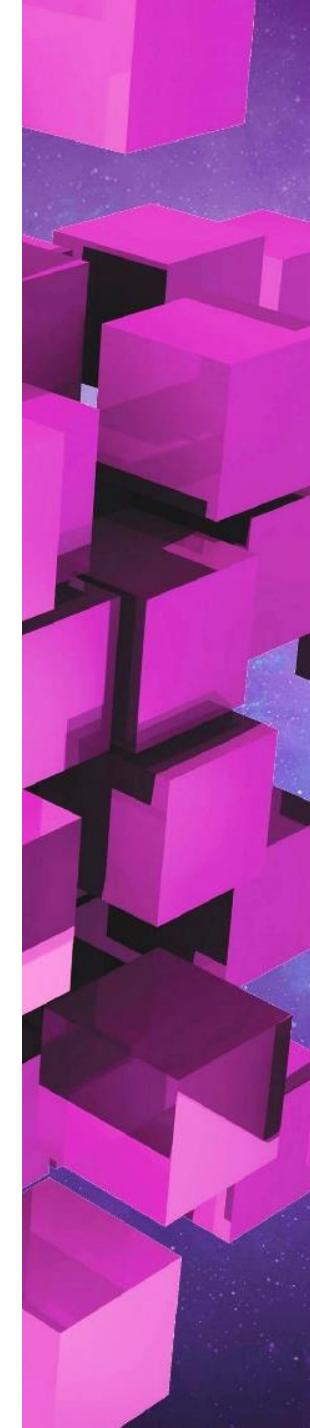
Speaker: Dr Abdulla Al Karam (Director General, KHDA)
Title: The Future of Education
Outline: Virtual learning, digitization and augmented reality make obsolete our old definitions of a classroom in 2020. Unbundled, personalized, and dynamic education is the new normal

Speaker: Mikolaj Zielinksi (Mars One Candidate Astronaut)
Title: The Mars Generation & Future of Space Exploration
Outline: Several space exploration missions are scheduled to occur in the future. In addition, we are trying to figure out ways to make manned space exploration possible for large amounts of time, so that humans may be able to safely travel far away from Earth in the future.

Speaker: Raya Bidshahri (Founder & CEO, Awecademy)
Title: AI., Automation, and the Future of Work
Outline: Automation and artificial intelligence (AI) are transforming businesses and will contribute to economic growth via contributions to productivity. They will also help address "moonshot" societal challenges in areas from health to climate change.

Speaker:
Title: The Future of Dubai
Outline: The UAE Centennial Plan aims to make the UAE the world's leading nation by 2071 through a series of bold initiatives across a variety of industries. AREA 2071 is a physical manifestation of this vision with the sole purpose of creating positive global impact.

Speaker: Rohan Roberts (Director, SciFest Dubai)
Title: Ubiquitous A.I. and Future-proofing our Youth
Outline: We live in a world where anything that can be done by A.I. will be done by A.I. and anything that can be automated will be automated. How do we future proof our youth and prepare them for this radically different future?

Speaker: Paul Epping (President, Singularity University Dubai Chapter)
Title: The Technological Singularity
Outline: The technological singularity is the hypothesis that the invention of artificial superintelligence will abruptly trigger runaway technological growth, resulting in unfathomable changes to human civilization.
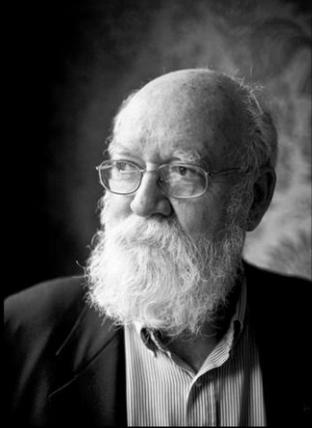
Daniel Dennett

Science Philosopher

Writer

Cognitive Scientist

Professor at Tufts University

Simon Singh

TV Producer, BBC

Science Writer

Science Journalist

Michael Shermer

Editor in Chief
Skeptic Magazine

Columnist
Scientific American

Adjunct Professor
Chapman University

Science writer

Historian of science

Founder,
The Skeptics Society

Jason Silva

Host, *Brain Games*
National Geographic

Creator,
Shots of Awe

Futurist

Techno-Optimist

Wonder Junkie

Ideas DJ

Poet for the Digital Age

Steven Pinker

Time Magazine's 100 most influential people in the world

Cognitive Scientist

Experimental Psychologist

Linguist

Science Author

Professor, Harvard University

Aubrey De Grey

Biomedical gerontologist

Chief Science Officer of the SENS Research Foundation

Editor-in-chief of the academic journal Rejuvenation Research

Science author

Job & Skills of The Future
Target Age: 13-16
Max Number: 40
Register here

Overview:
There are many trends, such as technological automation and the rise of the contingent workforce, that are revolutionizing the future of the work. What is the impact that technology will have on our careers? What jobs will be lost and which ones will be created? What are some of the most exciting emerging industries? This workshop will explore these questions - and many more - with the goal of preparing learners for the workforce of the future.

Intro to Exponential Technologies
Target Age: 13-16
Max Number: 40
Register here

Overview:
Exponential technologies such as artificial intelligence, advanced robotics, virtual reality, biotechnology, and digital medicine are a major source innovation, invention, and discovery. Breakthroughs in this area have the potential to positively affect billions of lives. This workshop will explore the impact of emerging technologies on the way we live and work.

The Future of Work: Artificial Intelligence & Automation
Target Age: 13-16
Max Number: 40
Register here

Overview:
We've all read the headlines: the robots are coming, and they will take our jobs. But the reality is more nuanced. Exponential growth in technology will disrupt entire industries but also create new ones. Many experts are asking the big questions: what jobs will be replaced by technology? Which ones will remain? How many will be created? This workshop will provide an introduction to the different effects of technological automation on the workforce.

Technology for Good: Global Challenges
Target Age: 13-16
Max Number: 40
Register here

Overview:
Emerging technologies are providing us with powerful tools to tackle global challenges and contribute to human progress. How can we use exponential technologies - such as AI or Robotics - to end poverty, increase access to resources or create more sustainable sources of energy? This module will explore some of the ways innovators are using technology to have a positive impact on the world and inspire youth to follow their lead.

Future of Education
Target Age: 13-16
Max Number: 40
Register here

Overview:
Technology is already transforming the way we teach and learn. Digital classrooms, global online collaborations, and personalized learning are just the beginning. What will these technological trends in EdTech lead to? What will the word "education" even mean 30 years from now? This workshops will provide learners an overview of the technology trends that are revolutionizing the

Finding Massive Transformative Purpose
Target Age: 13-16
Max Number: 40
Register here

Overview:
For a team, company or individual to accomplish something extraordinary, it is important to have a powerful unifying purpose. A Massive Transformative Purpose (MTP) is described as a highly "aspirational tagline", with a clear "WHY" and that serves to cause a significant transformation to the world. It is focused on creating a radical and exciting future. This workshop will focus on the importance of organizing a team around an MTP and how you derive your own personal or team MTP.

Introduction to AI
Target Age: 10-12
Max Number: 40
Register here

Overview:
Artificial Intelligence (AI) is an exponentially growing technology that will revolutionize entire industries. AI is expected to have an impact on all major fields including big data, healthcare, education, security and much more. In order to be prepared for the future, we need to understand what AI is and what its applications are. This workshop provides an overview of different types of AI, industry trends and future predictions by experts in the field.

Cosmic Citizenship
Target Age: 10-12
Max Number: 40
Register here

Overview:
What does it mean to be a Cosmic Citizen? At its core, the cosmic perspective is about zooming out and seeing the big picture. It involves acknowledging our place in the cosmos and stepping back and contemplating our purpose in the grand scheme of things. Learners who complete this workshop will leave with a better understanding of our place in the universe and how they can contribute to the future of our species. We will explore the rights and responsibilities of cosmic citizens and its importance in global education.

Moonshot Thinking
Target Age: 10-12
Max Number: 40
Register here

Overview:
Contributing to human progress in a meaningful way requires certain mindsets and ways of thinking. Moonshot Thinking is one of those mindsets. Instead of looking to make a 10 percent gain or improvement in a current product or idea, moonshot thinking involves aiming for a 10x improvement of the status quo. This workshops will explore what Moonshot Thinking is, examples of notable moonshots and more importantly, how we can all adopt the mindset.

Emerging technologies
Target Age: 10-12
Max Number: 40
Register here

Overview:
Exponential technologies such as artificial intelligence, advanced robotics, virtual reality, biotechnology, and digital medicine are a major source innovation, invention, and discovery. Breakthroughs in this area have the potential to positively affect billions of lives. This workshop will explore the impact of emerging technologies on the way we live and work.

Introduction to Millennium Goals
Target Age: 10-12
Max Number: 40
Register here

Overview:
Introduction to Millennium Goals
The United Nations Millennium Declaration, signed in September 2000 commits world leaders to combat poverty, hunger, disease, illiteracy, environmental degradation, discrimination against women amongst many more global challenges. How can students contribute to meeting the Millenium goals? This module will provide young minds with the skills, mindsets and values to tackle the Millenium Goals.

### Future Fluencies & 21C Skills
Target Age: 10-12
Max Number: 40
Register here

Overview:
We live in a world of accelerating change. New industries are constantly being born and old ones are becoming obsolete. A report by the World Economic Forum reveals that almost 65 percent of the jobs elementary school students will be doing in the future do not even exist yet. Both the workforce and our knowledge base are rapidly evolving. What are the skills future generations will need? This workshops will give an overview of the critical survival skills that our youth will need.
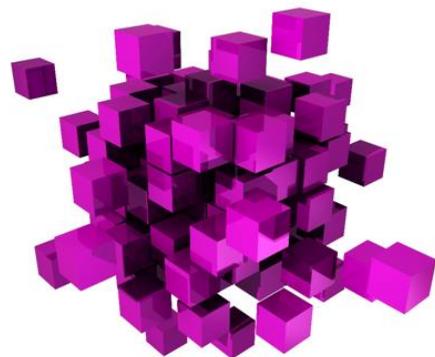
ساي فيـــــست دبي
SciFest Dubai

🌐 www.scifestdubai.com

f sciencefestivaldubai

🐦 @scifestdubai

▶ youtube.com/Scifest Dubai

📷 @scifest Dubai

📷 Flickr.com/Scifest Dubai