المنتدى السعودي الأول للثورة الصناعية الرابعة

The First Saudi Forum For 4IR

تسخيــر الثــورة الصنــاعيــة الرابــعــة في المملكــة

Harnessing The Fourth Industrial Revolution in The Kingdom

VISION
2030
المملكة العربية السعودية
KINGDOM OF SAUDI ARABIA

مدينة الملك عبدالعزيز
للعلوم والتقنية KACST

Join the Future

Wednesday **28th of July, 2021**
Thursday **29th of July, 2021**

from **18:00 - 22:00 (GMT+3)**

Hosted by King Abdulaziz City
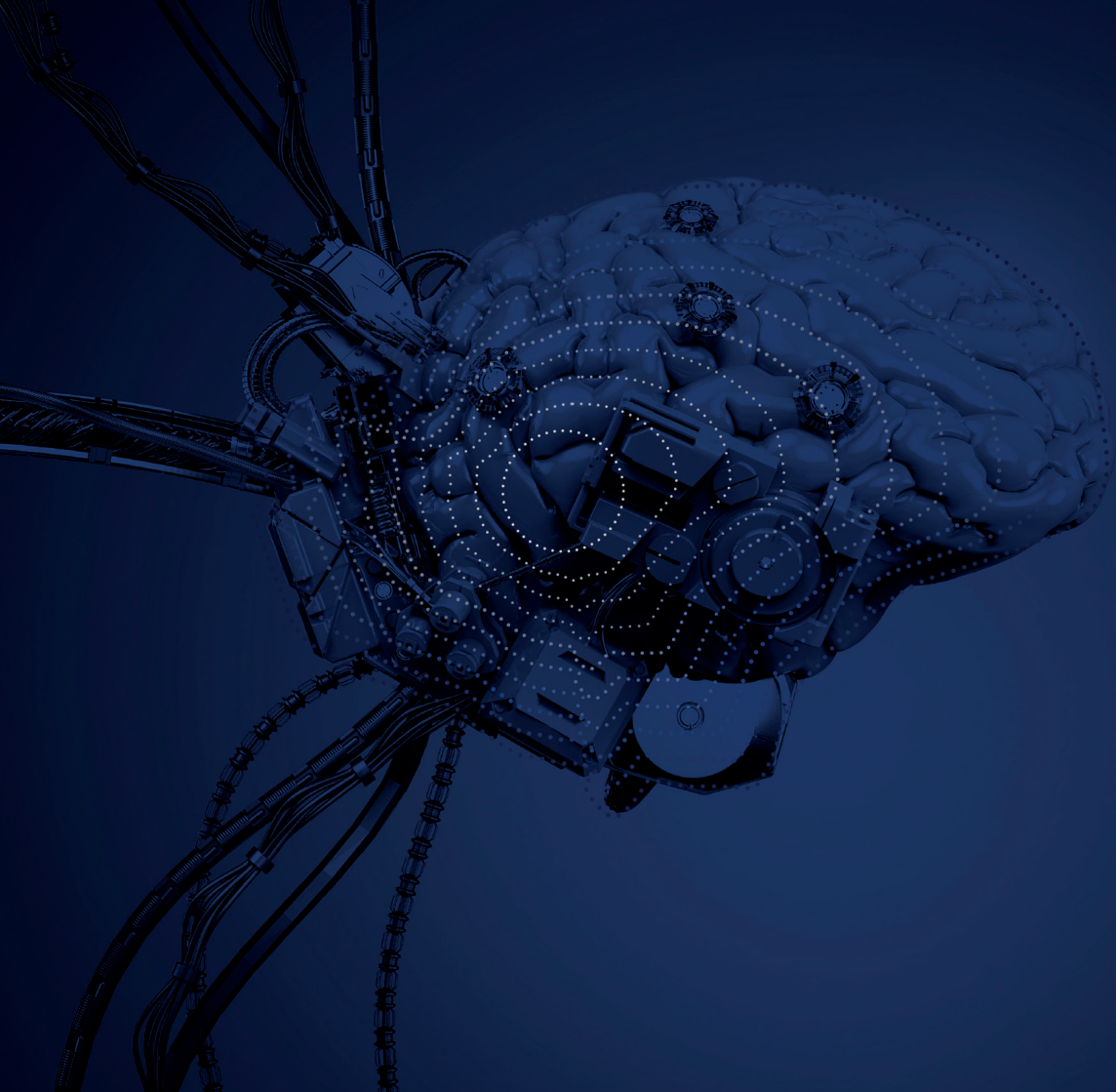for Science and Technology, **Riyadh**

About C4IR KSA

VISION

To enable the responsible development and deployment of 4IR technology governance for the greater good of humanity.
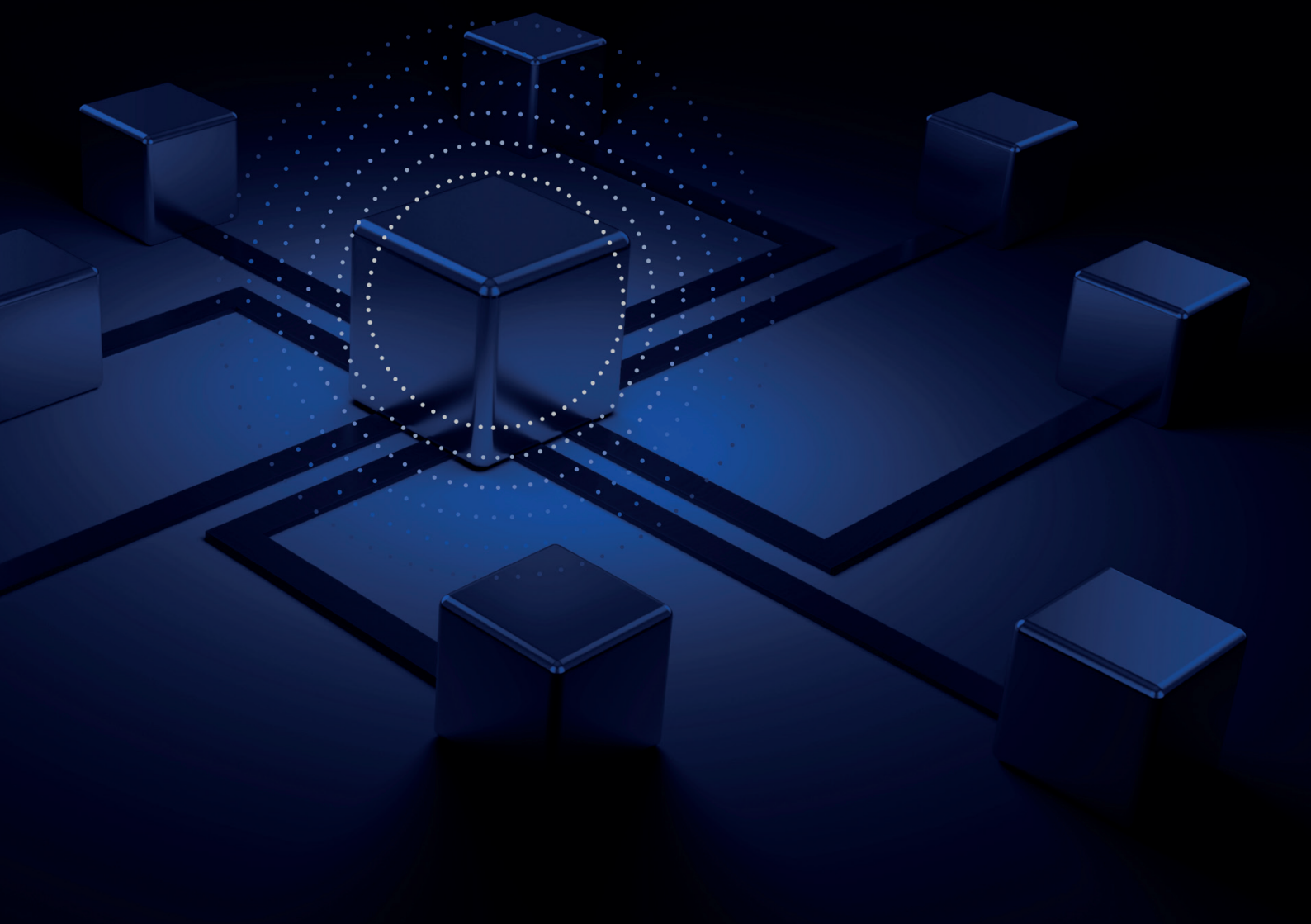
MISSION

To be a global platform for multi-stakeholder collaboration across the public and private sectors that aims to maximize technological benefits to society and minimize the risks associated with 4IR technologies in the Kingdom through facilitating the co-design, in-depth analysis and expert involvement of governance protocols and policy frameworks.

About C4IR KSA

OBJECTIVES

• Optimize the technological benefits from the Fourth Industrial Revolution (4IR) in the Kingdom of Saudi Arabia and to accelerate the implementation of robust protocols for the governance of emerging 4IR technologies.

• Engage with key public-private sector stakeholders to co-design and pilot innovative approaches for the adoption and governance of 4IR technologies.

• Empower the 4IR capabilities landscape by building national talents through hands-on international collaborations with the global C4IR network of partners.

Event Overview

Two-day global event engaging national leaders from all sectors in eight panels

Theme

Harnessing the Fourth Industrial Revolution in Saudi Arabia

Theme Pillars

Industry Transformation	Technology Governance
Government Transformation	Frontier Technologies

Speakers

Public Sector

Policymakers and regulators who can give a perspective on regulatory challenges and national strategic direction.
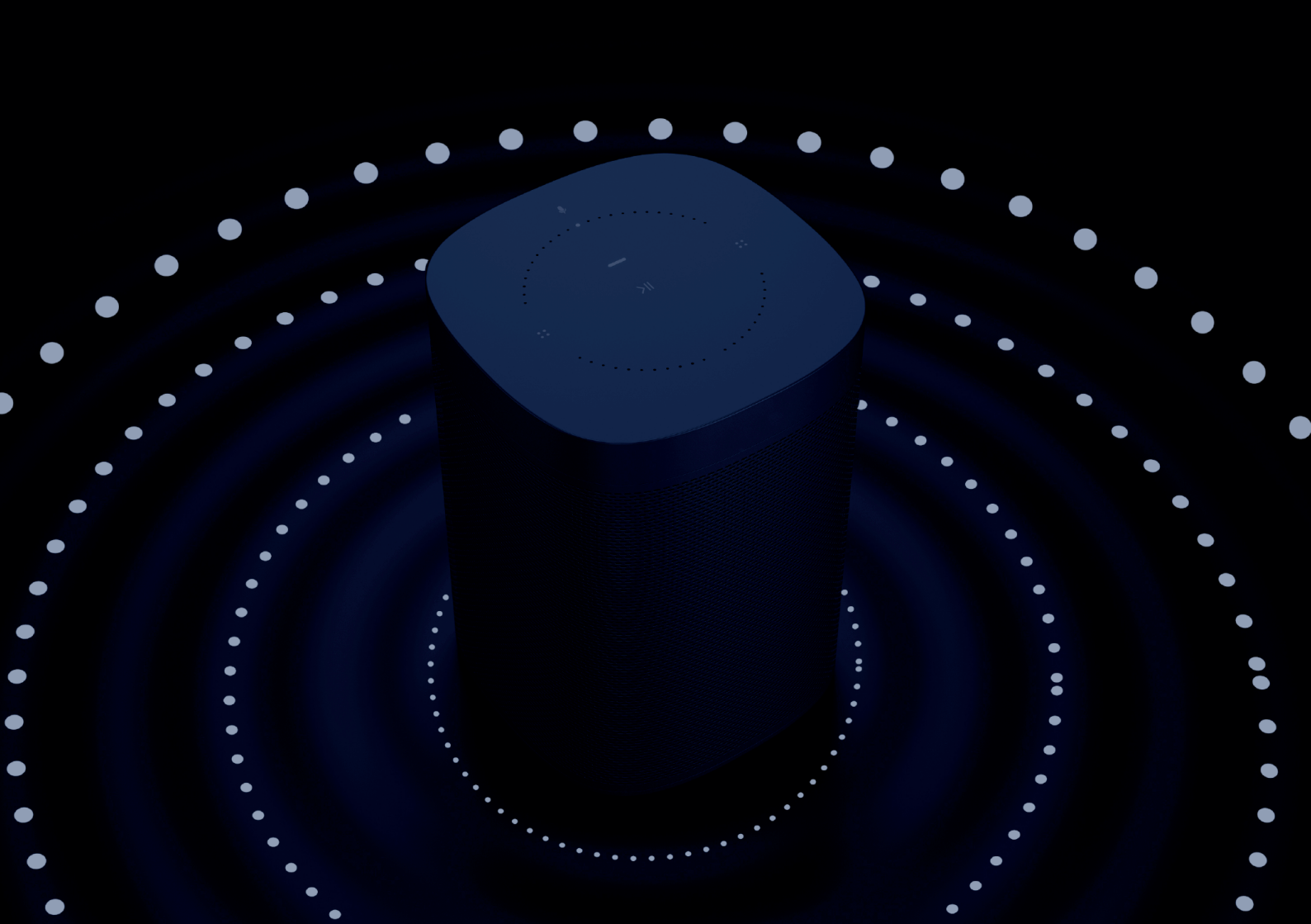
Private Sector

Future-thinking members of the private sector who engage with 4IR technologies and agile governance models.

Research & Academia

Members of research institutions in Saudi Arabia working in 4IR technologies & public policy.

WEF International Speakers

Members from the WEF Network who can shed light on international efforts, challenges, and opportunities.

Event Objectives

Showcase the Center's position as part of the World Economic Forum Network through the C4IR Network.
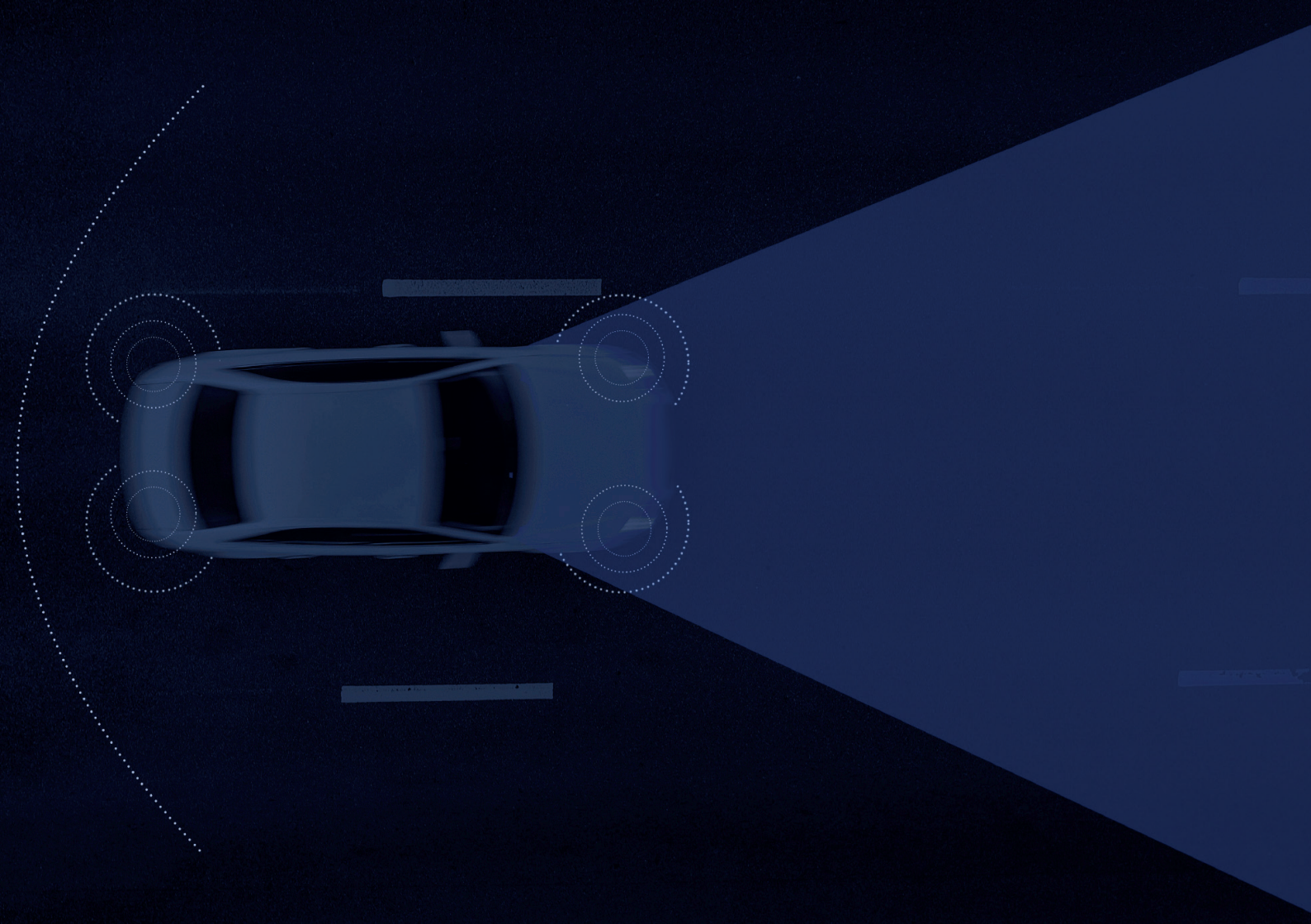
Illustrate the Center's commitment to multi stakeholder collaboration.

Highlight the Center's role as facilitator for the development of technology governance through its project communities.

Highlight commitments to scale & opportunities for visibility of Saudi successes & efforts.

Showcase the six project areas of the Center.

Attract talent & illustrate opportunities for capacity building.

Opening Remarks

H.R.H Prince Abdulaziz bin Salman Al-Saud
Minister of Energy

H.E. Eng. Abdullah AlSwaha
Minister of Communications and Information Technology, KACST Chairman

Prof. Klaus Schwab
Founder and Executive Chairman of the World Economic Forum

H.E. Abdulrahman Al-Fadli
Minister of Environment, Water, and Agriculture

H.E. Majed AlHogail
Minister of Municipal Rural Affairs and Housing

H.E. Dr. Tawfiq AlRabiah
Minister of Health

H.E. Mohammed AlJadaan
Minister of Finance

H.E. Bandar Alkhorayef
Minister of Industry and Mineral Resources

H.E. Eng. Saleh AlJasser
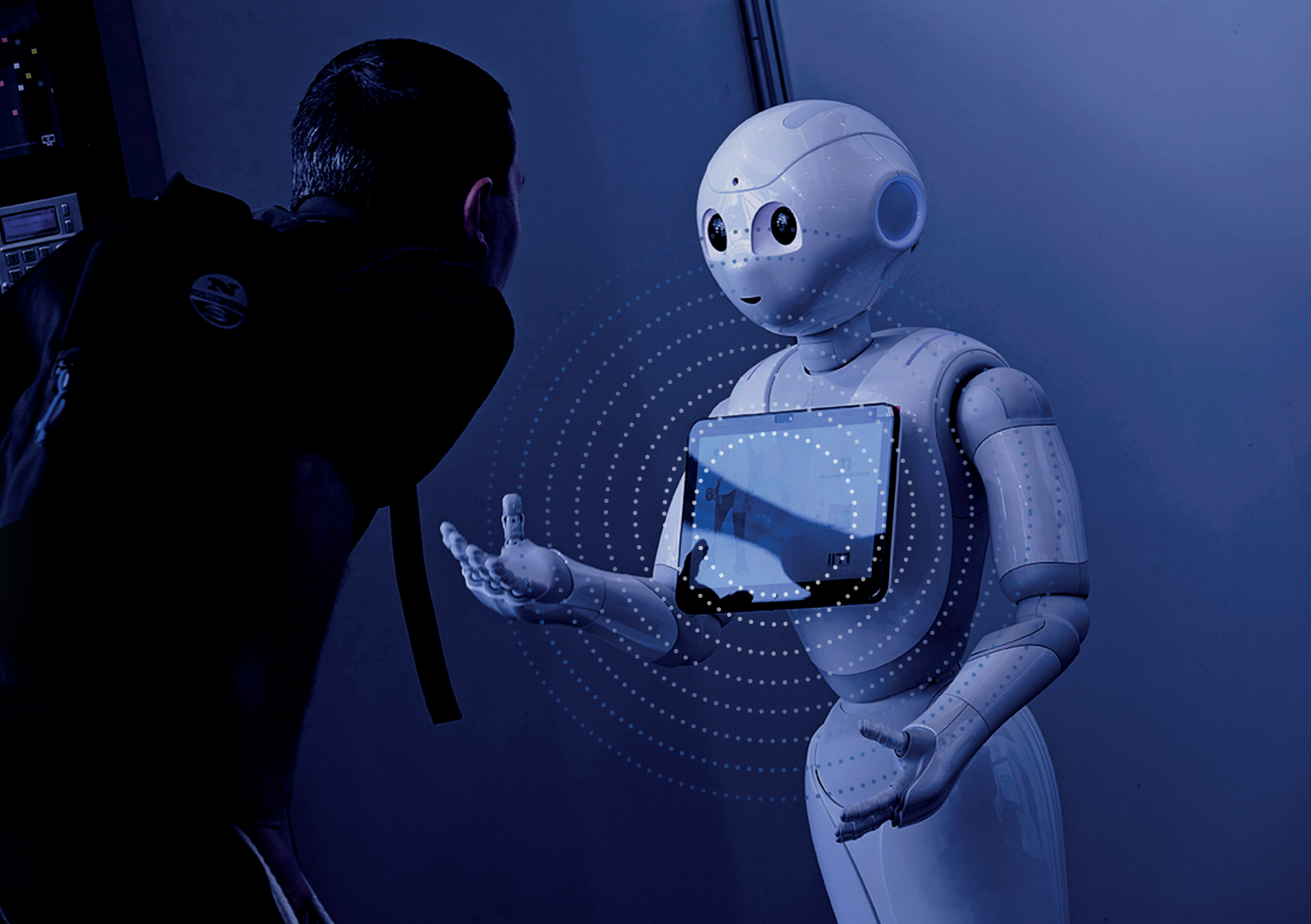Ministry of Transport and Logistic Services

H.E. Faisal Alibrahim
Minister of Economy and Planning

H.E. Dr. Abdullah Alghamdi
President of the Saudi Data and Artificial Intelligence Authority

H.E. Dr. Munir Eldesouki
Acting President of King Abdulaziz City for Science and Technology

Agenda

Wednesday 28 July- Part 1

Welcoming and Introduction

Welcoming Introduction
18:00–18:20

Opening Remarks
by H.E. Eng. Abdullah AlSwaha
Minister of Communications
and Information Technology,
KACST Chairman

Opening Remarks
by Prof. Klaus Schwab
Founder and Executive Chairman
of the World Economic Forum

Welcome & Introduction
by H.E. Dr. Munir Eldesouki
Acting President of King Abdulaziz
City for Science and Technology

C4IR KSA Video

First Panel

Harnessing the Fourth Industrial Revolution
18:20-18:25

Session Introduction
by H.E. Dr. Abdullah Alghamdi
President of the Saudi Data and
Artificial Intelligence Authority

Panel Duration
20:55-21:40

First Panel Speakers

H.E. Eng. Haytham Alohali
Vice Minister of Communications and
Information Technology, **MCIT**

H.E. Dr. Essam Alwagait
Director, **NIC**

Olayan Alwetaid
CEO, **STC**

Sheila Warren
Deputy Head of C4IR & Head of
Blockchain Platform, **WEF**

Second Panel

Enabling Industry Transformation
19:10-19:15

Session Introduction
by H.E. Bandar Alkhorayef
Minister of Industry and
Mineral Resources

Panel Duration
20:55-21:40

Second Panel Speakers

H.E. Osama Alzamel
Vice Minister for Industry &
Mineral Resources, **MIM**

Yousef Albenyan
CEO, **SABIC**

Dr. Ibrahim Almojel
CEO, **SIDF**

Francisco Betti
Head of Advanced Manufacturing
and Production, **WEF**

20:00-20:20
Break

Agenda

Wednesday 28 July- Part 1

Third Panel

| 20:20-20:25 | **Shaping the Future of Mobility** |

Session Introduction
by H.E. Eng. Saleh AlJasser
Minister of Transport and Logistic Services

Panel Duration
20:55-21:40

Third Panel Speakers

Dr. Mansour Alturki
Deputy Minister for Planning & Information, **MoT**

Florian Lennert
Head of Mobility, **NEOM**

Michelle Avary
Head of Automotive and Autonomous Mobility, **WEF**

Eng. Suliman Almazroua
CEO of the National Industrial Development and Logistics Program

Fourth Panel

| 21:10-21:15 | **Building crisis-resilient healthcare systems** |

Session Introduction
by H.E. Dr. Tawfiq AlRabiah
Minister of Health

Panel Duration
20:55-21:40

Fourth Panel Speakers

H.E. Dr. Eiman Almutairi
Vice Minister of Commerce, **MCI**

Dr. Majid Altuwaijri
CEO National AI Center, **SDAIA**

Genya Dana
Head of Healthcare, **WEF**

Agenda

Thursday 29 July- Part 2

Welcoming & Introduction

| 18:00–18:05 | Welcoming & Introduction |

Welcoming & Introduction
by H.E. Faisal Alibrahim
Minister of Economy and Planning

First Panel

| 18:05–18:10 | Accelerating Clean Energy Transitions |

Session Introduction
by H.R.H Prince Abdulaziz
bin Salman Al-Saud
Minister of Energy

Panel Duration
20:55–21:40

First Panel Speakers

Eng. Ahmad Alsaady
Senior Vice President for
Technical Services, **Aramco**

Mohammed Abunayyan
Chairman, **ACWAPower**

Ahmad Alzahrani
Assistant Minister of
Energy, **MoEnergy**

Second Panel

| 18:55–19:00 | Building Smart Cities of The Future |

Session Introduction
by H.E. Majed AlHogail
Minister of Municipal Rural
Affairs and Housing

Panel Duration
20:55–21:40

Second Panel Speakers

Dr. Maher Shirah
Advisor to CEO, **RCRC**

Joseph Bradley
CEO, **NEOM Tech and
Digital Holding** Company

Jeff Merritt
Head of IoT and Urban
Transformation, **WEF**

| 19:45–20:00 | 🕐 **Break** |

Agenda

Thursday 29 July- Part 2

Third Panel

| 20:00–20:05 | **Accelerating Ecosystem Restoration** |

Session Introduction
by H.E. Abdulrahman Al-Fadli
Minister of Environment, Water, and Agriculture

Panel Duration
20:55-21:40

Third Panel Speakers

H.E. Eng. Mansour Almushaity
Vice Minister, **MEWA**

Vivek Agarwal
Additional Secretary, **Ministry of Agriculture, India**

Purushottam Kaushik
Head , **C4IR India**

Fourth Panel

| 20:50–20:55 | **The Future of Finance** |

Session Introduction
by H.E. Mohammed AlJadaan
Minister of Finance

Panel Duration
20:55-21:40

Fourth Panel Speakers

H.E. Dr. Fahad Almubarak
Governor, **Saudi Central Bank**

H.E. Mohammed Elkuwaiz
Chairman, **CMA**

Tareq Alsadhan
CEO, **Riyad Bank**

Andre Belelieu
Head of Asset Management and Insurance, **WEF**

21:40-22:00

Fireside Chat

H.E. Dr. Munir Eldesouki
Acting President, KACST

Jeremy Jurgens
Head of C4IR

Sessions Questions

DAY ONE - 28 JULY

Harnessing the Fourth Industrial Revolution

- What opportunities can we seize with the advent of the 4IR to advance efficiency, sustainability, and economic growth?
- What policies and practices are needed to accelerate the adoption of 4IR?
- What 4IR technologies can we utilize in Saudi Arabia to realize Vision 2030?
- How can we benefit from global tech governance frameworks and what are the challenges towards achieving them?
- What is the ideal role for the private sector in shaping regulation / policy development?

Enabling Industry Transformation

- How can we leverage 4IR technologies to redesign value chains for greater productivity, sustainability, and innovation?
- How do we integrate social, environmental, and health impact into product design and life-cycle assessments?
- How do we ensure that industry growth is inclusive? (e.g. through commitments to reskilling)
- What kind of data will industries require to ensure the health of their employees? (vaccination data prior to entering factories, work spaces, construction sites, etc..)

Shaping the Future of Mobility

- What are the bottlenecks hindering the adoption of AVs onto road networks, from safety standards, technology, regulation, etc.?
- What type of policies and regulations need to be put in place to ensure road safety?
- How can we increase public trust in autonomous vehicles on the road?
- Where can we benefit from cross-industry collaboration to drive the acceleration of bringing AVs onto the road and how can we leverage those on the global scale?

Building crisis-resilient healthcare systems

- What policies, practices and partnerships are needed to improve health system effectiveness and resilience?
- How can we leverage 4IR technologies to manage health crises in the future?
- What policies and practices has Saudi Arabia championed to contain the pandemic and deliver wide-scale testing and vaccination?

Sessions Questions

DAY TWO - 29 JULY

Accelerating Clean Energy Transitions

- What opportunities does 4IR catalyze to accelerating clean energy transitions?

- What approaches and partnerships are needed for cities to transition to a decreased reliance on carbon while ensuring system resilience, job creation and improving health through better air quality?

- How do we harness technology to increase the efficiency and accuracy of our environmental sustainability and climate action efforts?

Building Smart Cities of The Future

- How can we leverage technologies of the 4IR to digitize our existing cities to improve efficiency and effectiveness?

- What role can blockchain technology play in building trust across multiple players? What opportunities does it present to shape paperless governments?

- How can we increase efficiency and sustainability when laying down the infrastructure for smart cities? (Dig Once Policies, clean energy investments)

Accelerating Ecosystem Restoration

- How can 4IR technologies support tackling global environmental challenges of climate change and mitigate impacts on agriculture sector?

- How can 4IR technology be prioritized, developed, deployed and scaled to accelerate sustainable agriculture and food security?

- How can partnerships be formed to create impact and systemic change at scale with special reference to the Saudi and the Middle East Green Initiatives recently unveiled by HRH Crown Prince Mohammed bin Salman?

The Future of Finance

- How has the exponential growth of Fintech, AI, Blockchain, cognitive computing, and other disruptive technologies impacted the evolution of financial services?

- How is technology disrupting the world of banking and investment?

- What policies, practices, and partnerships are needed to leverage the opportunities presented by the rise of digital currencies? and how can we leverage them to strengthen our value chains?

- What new competencies should finance professionals and CFOs be equipped to embrace 4IR?