



Opening statement

We are delighted to share the latest achievements and developments from the Centre for the Fourth Industrial Revolution Saudi Arabia C4IR KSA. In a leading-edge collaboration, Saudi Telecom Company stc and C4IR KSA have embarked on advancing 6G technology to bridge the digital divide, exemplified by the release of the "6G Technology Connecting the Unconnected" white paper. Furthermore, the release of the report for the second C4IR Saudi Forum that was held on 9/10 of this year emphasized Saudi Arabia's pivotal role in shaping the future through innovation and strategic partnerships. In addition, the Centre kicked-off the second cycle of the Seconded Fellowship Program, as well as introduced a new project; the Quantum Economy Blueprint. Moreover, C4IR KSA continues to forge partnerships and collaborations locally and globally, which demonstrates its commitment to driving innovation and knowledge exchange. Active participation in key World Economic Forum meetings and the addition of the new Project Lead further solidify C4IR KSA's influence in the global innovation landscape. These endeavours underscore our dedication to responsible technology advancement and shaping the future of the Fourth Industrial Revolution.

Program launched

C4IR KSA Kicks off the Second Cycle of "Seconded Fellowship" Program

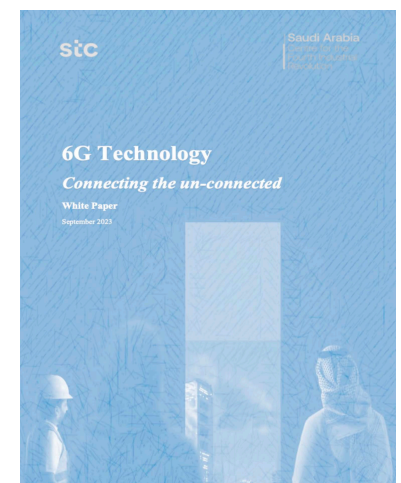
On November 26, C4IR KSA launched the second cycle of its "Seconded Fellowship" Program, welcoming the four new seconded fellows onboard. The two-day orientation aimed to familiarize the fellows with the Centre's operations and goals, featuring a celebratory get-together. The sessions covered program structure, roles, and responsibilities, fostering connections with the C4IR KSA team. The orientation also included a tour of KACST labs, showcasing cutting-edge work. The second day involved interactions with project leads, providing insights into ongoing initiatives and projects. One-on-one meetings with Dr. Adnan Al Saati, the Centre's advisor, offered personalized guidance to each seconded fellow. The program promises a transformative experience, fostering innovation and knowledge exchange at the intersection of technology, industry, and regulations for both the seconded fellows and C4IR KSA.

Papers published

6G Technology, Connecting the Unconnected

Saudi Telecom Company stc and the Centre for the Fourth Industrial Revolution Saudi Arabia C4IR KSA have embarked on a groundbreaking journey to bridge the digital divide through the advancement of 6G technology. Their collaborative effort is highlighted by releasing a pivotal white paper titled "6G Technology Connecting the Unconnected." 6G technology, with its

revolutionary potential for high-speed connectivity, is set to transform the telecommunications landscape. Stc and C4IR KSA are joining hands to harness this incredible potential. The white paper serves as both a roadmap and a testament to the commitment of stc and C4IR KSA to unite technology and innovation in the pursuit of universal connectivity.

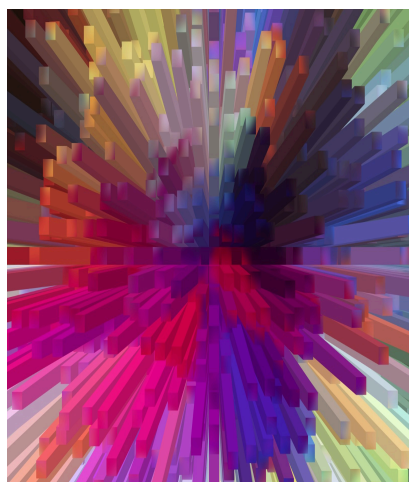


Papers published

C4IR KSA 2nd C4IR Saudi Forum Report: Pioneering Global Innovation for Sustainable Impact

In a groundbreaking initiative, the Centre for the Fourth Industrial Revolution Saudi Arabia (C4IR KSA) has released a comprehensive report encapsulating the outcomes and insights from the 2nd C4IR Saudi Arabia Forum. Titled *Fostering Innovation Through Collective Impact for Sustainable Development*, the report sheds light on Saudi Arabia's vital role in shaping the future through innovation, global integration, and strategic public-private partnerships. In the unveiling of the 2nd C4IR Saudi Arabia Forum: Fostering Innovation Through Collective Impact for Sustainable Development report,

C4IR KSA's unwavering commitment to shaping Saudi Arabia's global innovation narrative is evident. The report not only provides insightful discussions but also emphasizes the pivotal role C4IR KSA plays in driving collaboration, innovation, and sustainable development. As Saudi Arabia strides confidently towards a future led by technological advancements, the report serves as a guiding light, solidifying C4IR KSA's influence in the global innovation landscape and its dedication to realizing Vision 2030.



New Projects

C4IR KSA Newest Project: Quantum Economy Blueprint

C4IR KSA announces its sixth project, the Quantum Economy Blueprint. In a world marred by a digital divide, where 2.9 billion people remain offline, we face a new challenge: the growing quantum technology divide. This divide threatens to deepen inequalities in cybersecurity, defence, healthcare, and finance. The Quantum Economy Blueprint is our response. It aims to bridge this quantum gap, fostering global collaboration and responsible quantum tech development. Join us in creating a more inclusive, secure, and technologically advanced future.

Key WEF Meetings

Advanced Energy Solutions Community 3rd CEO Meeting

In a landmark gathering on November 21-22, 2023, leaders from the global energy sector are converging for the 3rd CEO meeting of the Advanced Energy Solutions community. Against the backdrop of accelerated adoption, the meeting is poised to shape a transformative vision for the deployment of advanced energy solutions in the urgent pursuit of a net-zero emissions future. The two-day agenda is packed with

essential discussions, featuring a conversation with Klaus Schwab on the state of the world, community dialogues on scaling advanced energy solutions, exploration of key trends in the sector, and sessions focusing on policy, investment, and collaboration priorities. Networking opportunities, insightful presentations, and an informal lunch provided a conducive environment for fostering collaboration and innovation.



Visits

C4IR KSA and MEXT Forge Collaborative Paths in Riyadh Visit

A delegation from the Turkish technology company MEXT visited Riyadh on November 15, 2023, to strengthen ties with the Centre for the Fourth Industrial Revolution in Saudi Arabia (C4IR KSA) and explore collaborations with the Ministry of Industry and Mineral Resources (MIM). The MEXT team, including Executive Director Efe Erdem, Senior Manager Baris Arikkan, and Advisor Tayfun Can Kucuk, engaged in discussions with the C4IR KSA's team, as well as Ahmed Al Malki, the supervisor of the Digital Capability Centre (DCC) in KACST, and Dr. Majed Algwaiz, Director General of Advanced Manufacturing & Innovation at MIM. The agenda included an introduction to the Digital Capability

Centre by King Abdulaziz City for Science and Technology (KACST) team, emphasizing training and SIRI Assessment. Discussions focused on potential collaborations, particularly regarding the Future Factories Program. The teams explored various collaboration areas, including market entry and cooperation with the Digital Capability Centre. The visit concluded with a commitment to fostering strong collaborations, marking a significant step in bridging technology between Turkey and Saudi Arabia for future partnerships in Industry 4.0.



Key WEF Meetings

Global Future Councils Addressed Global Challenges in Dubai

The Annual Meeting of the Global Future Councils 2023, hosted by the World Economic Forum, convened in Dubai, marking the first in-person gathering of council members in their 2023-2024 term. Notably, the Managing Director of the Centre for the Fourth Industrial Revolution (C4IR) KSA was among the distinguished attendees, and a member of

the Global Future Council on Advanced Manufacturing and Value Chains. The meeting was a significant opportunity for experts to generate innovative solutions and promote frontier thinking to address pressing global challenges. It provided valuable insights for future decision-making and collaborative efforts to address complex global issues.



Key WEF Meetings

Advancing Responsible Innovation & Commercialization of Quantum Technology

The World Economic Forum (WEF) successfully convened the Quantum Economy Meeting 2023 on November 15-16 at its headquarters in Geneva, Switzerland. This exclusive event brought together more than 80 quantum leaders from diverse sectors, including business, government, international organizations, civil society, and academia. The focus was on

fostering collaboration and advancing the responsible innovation and commercialization of quantum technology. Dr. Basma AlBuhairan, Managing Director of C4IR KSA, attended the event, adding her presence to the distinguished gathering and contributing to the discussions on the advancement of responsible innovation in the field of quantum technology.



C4IR KSA Family Updates

Dr Abdulelah Habib
An engineer with a focus on optimization, renewable integration, and entrepreneurship, the co-director of CCES (KACST and MIT), will be leading the C4IR KSA's project AI4AI.

Sara Alhudaithy
Our full-time seconded fellow, will head to San Francisco in January 2024 for 4 weeks as part of her Seconded Fellowship Program.