

The Fourth Industrial Revolution and RCI in Asia and the Pacific

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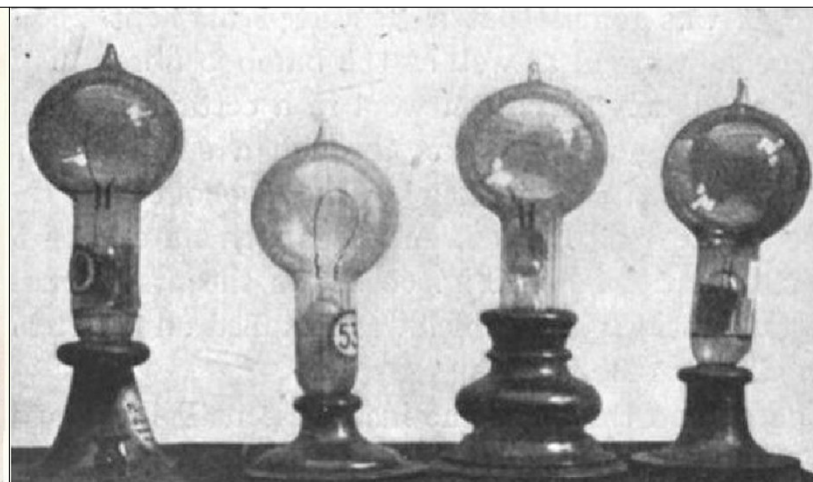
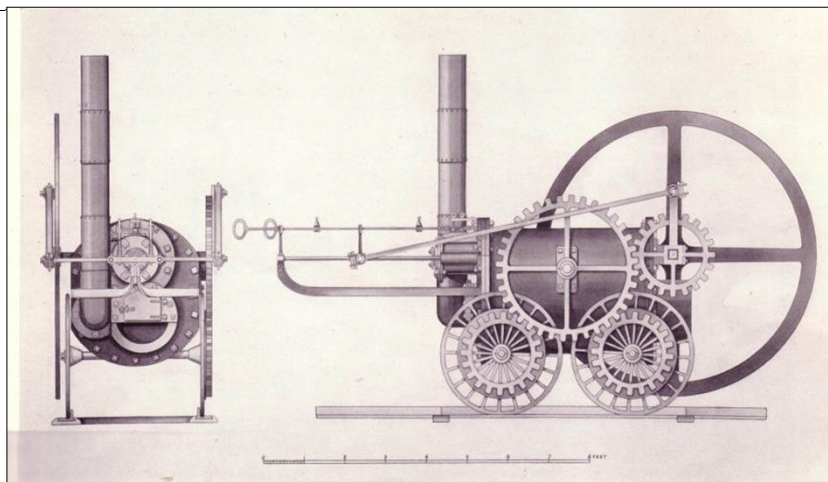
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The world is experiencing unprecedented change, driven by the technological shifts of the Fourth Industrial Revolution.

We now live in an interconnected system of systems. Disruption is not confined to individual industries, countries or regions: one single innovation has the power to impact entire global structures.

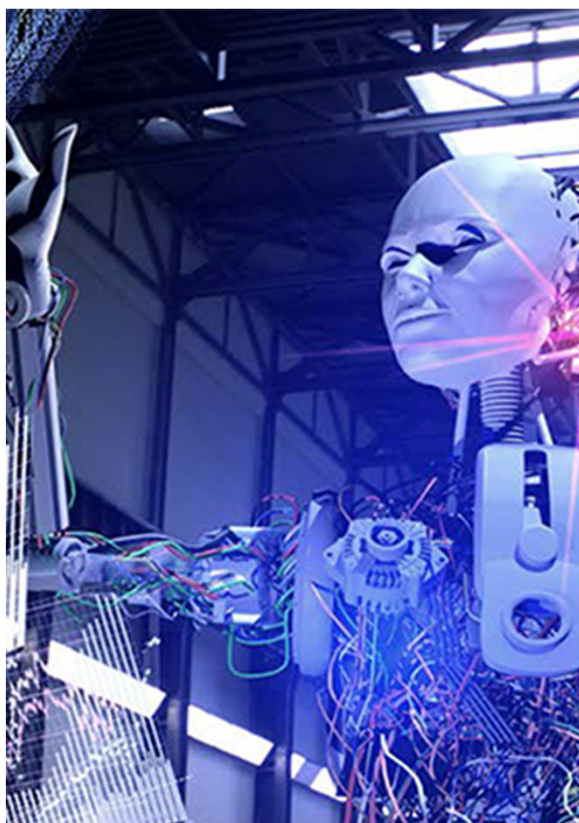
Formal **dialogue and cooperation needs to occur across domains**, inclusive of various disciplines and stakeholder groups.

Leadership in this era must inspire global society to work together to make sustained, positive and systemic change and develop the collaborative platforms to do so.





- The Center for the Fourth Industrial Revolution is a new space for global cooperation, dedicated to **developing policy principles and frameworks** that **accelerate the application of science and technology** in the global public interest.
- It serves as a platform to discuss the **ethics, values and regulation** of Fourth Industrial Revolution technologies such as the internet of things, artificial intelligence and machine learning. Specific projects engage **multiple stakeholders**, including regulators, to develop policy frameworks that can be applied across industries and national borders.
- A global hub of expertise, knowledge-sharing and collaboration, the Center is located at the Presidio in **San Francisco, USA**, in close proximity to the world's foremost **technology companies, start-ups, investors, venture capital firms and leading academic institutions**.



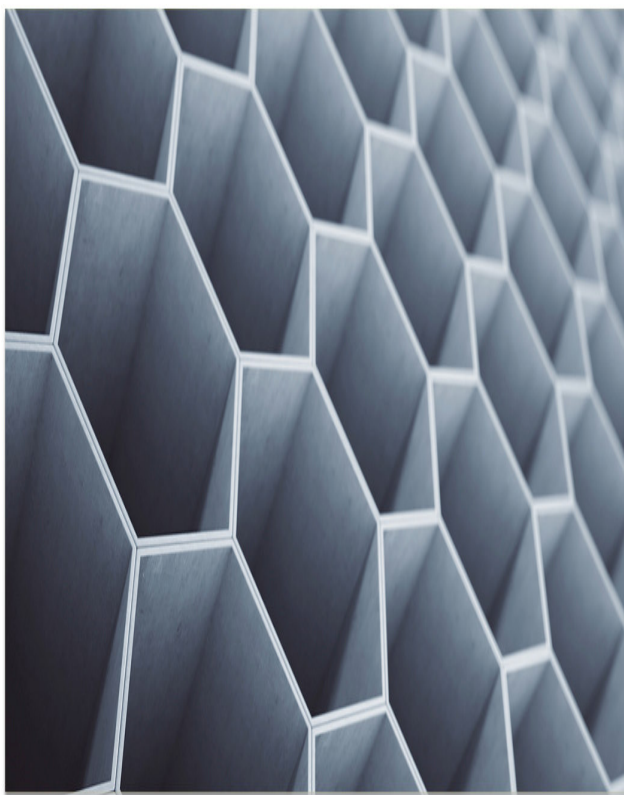
Fourth Industrial Revolution Technologies (examples):

- Artificial Intelligence and Machine Learning
- Advanced robotics and new forms of automation
- Ubiquitous mobile internet
- Sensors and the internet of things
- Blockchain and distributed ledgers
- 3D Printing/Additive Manufacturing
- Autonomous vehicles, such as cars and drones
- Genetic advances, bio-engineering, personalized and precision medicine
- New energy sources and storage technologies
- Quantum computing



Key Opportunities of the Fourth Industrial Revolution for the Region:

1. Increasing wealth.
2. Powerful force for economic inclusion.
3. Empowering SMEs.
4. Opportunities for leapfrogging.
5. Connecting the unconnected.
6. Fighting congestion and traffic.
7. Improving environmental management.
8. Improving health and healthcare.



Key Challenges of the Fourth Industrial Revolution for the Region:

1. Job losses and disruption.
2. Inequality and political instability.
3. The end of traditional “Factory Asia.”
4. Concentration of market power by global giants.
5. Cyber security.



Impact of the Fourth Industrial Revolution on Trade & Investment in the Region:

1. IoT and AI.
2. Blockchain.
3. 3D Printing.
4. Collaborative/Sharing Economy.
5. E-Permitting/E-Signatures/E-FTZ.



How can RCI Capture the Opportunities and Address the Challenges of 4IR?

1. Cross-Border Data Flows.
2. E-Commerce Rules/Best Practices.
3. RTA/Plurilateral Agreements.
4. Harmonized Business Environment.
5. Service Standards.
6. Fiscal Policy.

systems, not technologies
empowering, not determining
by design, not default
values as a feature, not a bug

Thank you.

We look forward
to our collaboration.

WORLD
ECONOMIC
FORUM

