

Session IV: Technology, Culture & the 4th Industrial Revolution

Space Applications: How the use of satellite technology can promote access to data and information in the 4th Industrial Revolution

Introduction & Biography



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What is the 4th Industrial Revolution

Made up of the 3 components to drive next Industry Revolution:

- Digital
- Artificial intelligence
- Space age

Space law, Sustainable Development and the Humanities: A Complementary Relationship

Eg: Rwanda's use of satellite technology to promote data access in rural communities. Promotes right to education remotely.

1. Access to information vital component for integrating into global community.
2. Younger generation needs to be sensitized about this link.
3. Must also consider impact that digitization and artificial intelligence will have on human capital (i.e. employment, human rights and sustainable development).

Space Law and the 4th Industrial Revolution

Treaty on Principles Governing the Activities of States in the Exploration and Use of Outer Space, including the Moon and Other Celestial Bodies 1967.

“Among the Outer Space Treaty's main points are that it prohibits the placing of nuclear weapons in space, it limits the use of the Moon and all other celestial bodies to peaceful purposes only, and establishes that space shall be free for exploration and use by all nations, but that no nation may claim sovereignty of outer space or any celestial body.”

Implications of the 4th Industrial Revolution

“Now that Robots and Digitization have and will replace many of the functions currently conducted by humans ho do we stop the next generation of researchers, students and industry experts from becoming obsolete, lazy or even failing to simply engage with what is a novel and extremely complex development in modern society.”

~Ruvimbo Samanga



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