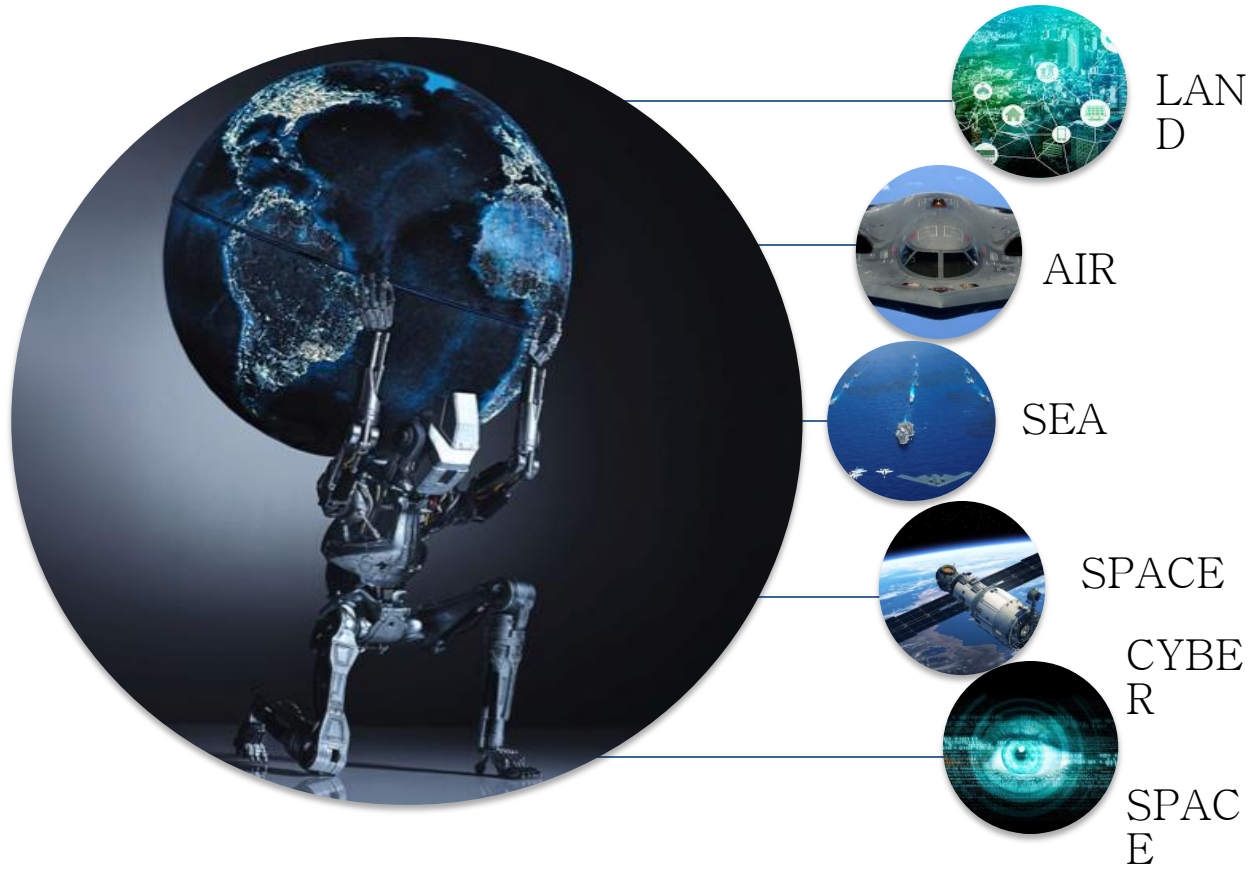
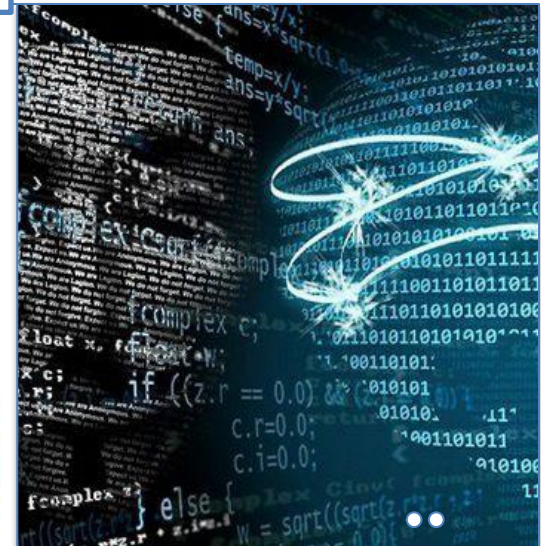
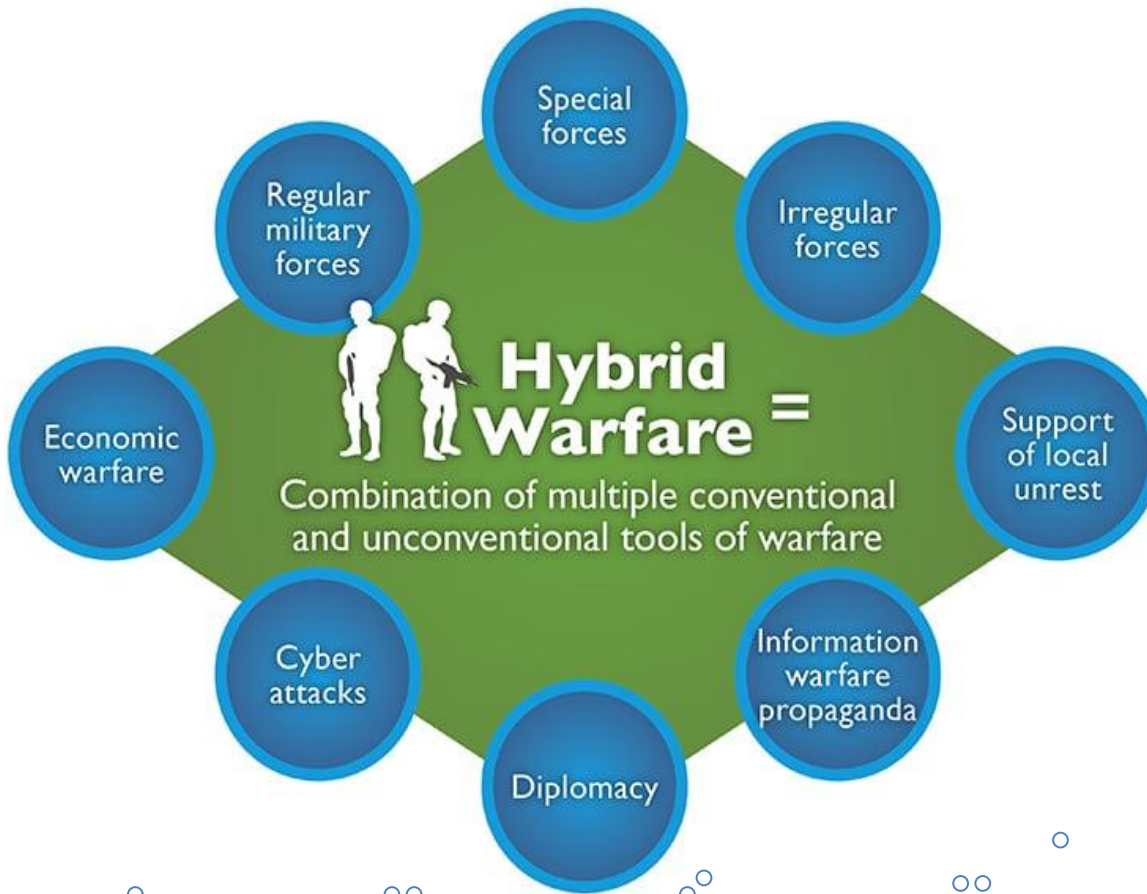


Multidomain Warfare



An ongoing effort on both sides



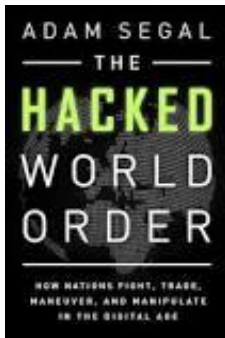
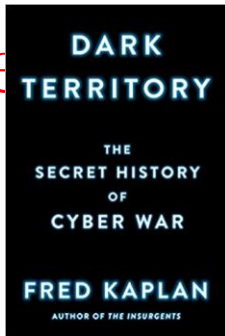
Cyber Warfar

Great power's competition at heart of contested domains of Cyber Space and Outer Space.

Damaging affects in contested cyber space to loom large also in the future.

The stakes are high for technologically highly sophisticated states but the web is used by all to wage war and spy

Cyber attacks have the potential to produce unintended and unimaginable problems ...



Cyber Warfare

Economic sanctions and diplomatic pressure against states for perpetrated cyber attacks [e.g. Russia, China, North Korea, Iran]

Kinetic strikes as part of broader responses to cyber-attacks are becoming increasingly likely.

Non-state actors with capacity to executing attacks on a grand scale are multiplying.



Cyber Warfare

The international legal framework of an armed response: **Attribution, Escalation, Proportionality**

Missing clear delineation what constitutes unacceptable behaviour in cyberspace

A need for policies and strategies conceptualized by **Governments** for digital era

Industries and businesses defining cyber-security policies, resiliency plans, secure measures, new tools...



Strategic Stability in Outer Space

1967 **Outer Space Treaty** – use of space for “peaceful purposes” meaning “no military use”!?

Permanent practice of dual use of outer space by states

New space technology with enhanced capabilities exacerbate threats and the chances of an incident in space escalating existing geopolitical tensions on Earth

Missing ‘Rule-book on Military Uses of Outer Space’



Artificial Intelligence and the Nature of War

Technological innovations have a transformative impact on military affairs

Increasing use of autonomous systems and the integration of artificial intelligence, and machine learning raises legal and ethical concerns

Enduring nature of war as a "continuation of politics by other means" and a "human endeavour" may be contested in the future!?



