



Ming Hsieh ECE Seminar

Friday, May 5, 10 am, Room EEB 132

"Israel National Security Challenges and its Impact on Force Buildup and Technological Developments, focusing on the Technion Center for Science Security and Technology"

Prof. Jacob Nagel, Technion

Abstract

This seminar (60-90 minutes) will combine topics from my past positions at the Israeli Ministry of Defense and as Israeli National Security Advisor, and in my current position as head of the Technion Center for Science Security and Technology (CSST).

I am continually changing and updating my presentation according to worldwide events and technological advances. This presentation includes current and past events, as well as some anecdotes during some interesting meetings in Israel and around the world. As part of the seminar, I will show movies, photos, and technological demonstrations.

Moreover, I will discuss the US-Israel MOU agreement (worth \$38B, led and signed by me in 2016) and the special relationship between Israel and the US. Additionally, I will highlight my Technion Center activities and options for cooperation.

Bio

Professor Jacob Nagel (Israel Brigadier General, Res.) is a visiting professor in Aerospace Engineering at the Technion, Haifa, Israel. At the Technion, he is head of the CSST and the Peter Munk Research Institute. He is a senior fellow at the Foundation for Defense of Democracies.

With 40 years of experience in Israeli government and intelligence, he teaches defense R&D strategy and policy as well as systems engineering. His areas of interest include: robotics and micro vehicles, aeronautics, rocket engine, space (e.g., satellites and payloads), cyber security, data science, image analysis, energy, and lasers.

He served as the Head of the Israel National Security Council (NSC) and as Israel's National Security Advisor (Acting) to the Prime Minister. He also led the negotiations with the US on the most recent ten-year MOU and signed the agreement worth \$38B.

Prof. Nagel served in various technological positions at the Israel Ministry of Defense - Directorate of Defense R&D. These include the Scientific Deputy and the Acting Head of the military R&D, which is sometimes called "Israel's DARPA".

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