

CYBER DEFENDER'S EDUCATION SHOULD BE DONE DIFFERENTLY THAN TRADITIONAL EDUCATION

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"In order to achieve effective results in training the cyber defenders, we use teaching methods different from the traditional education." Said Lieutenant Colonel Rami Shaked, commander of the Israeli Defense Force (IDF) Academy for Computer Professions and Cyber Protection, Telecommunications Division in the Israeli army.

Lieutenant Colonel Shaked spoke in the Israeli InfoSec 2016 conference, held this year in the 17th time. The conference, produced by *People and Computers magazine*, was held today (Tuesday) in the event LAGO Rishon Le'zion. The conference was attended by hundreds of professionals of information security and protection of cyberspace and guided by leaders of the Israel Cyber Security arena.

According to Lieutenant Colonel Shaked, "We make the best children into computer professionals."

"The army understands that's beyond its legacy operations, he must operate on the cyber network," said Lieutenant Colonel Shaked. "IDF network perception holds that all units fighting together in a well-orchestrated method, with the IT systems of all branches work together in combination. We live on the network, creating a single situational awareness image. "



Lieutenant Colonel Rami Shaked, commander of the Israeli Defense Force (IDF) Academy for computer professions and cyber protection

Chief of Staff Lt. Gen. Gadi Eizenkot, "had made a brave decision on the establishment of the cyber arm," he said. "The IDF understands that there is another dimension of warfare, focused at the cyber domain, which requires a dedicated approach in terms of defenders training. "

The traditional education method, said Lieutenant Colonel Shaked, "includes some distractions, learning does not take place with the right targeted audience - Learning does not equal to listening."

Therefore, he said, the IDF academy, had decided to build a different concept, "which includes the student's ability to adapt to a changing reality. We should explore congruence between cyberspace and kinetic space. To do this, you need a real learning environment.

For the Cyber Shield course, said, "tens are being selected every year from around 3,000 students, passing the classifications. The course takes few months, eventually they become talented cyber savvy." He added that "alongside professional abilities, we focus on construction of important personal skills - inquisitive, capacity, coping with constant criticism and the ability to learn independently. Thus, an effective learning is created."

The goal, said Lieutenant Colonel Shaked, "is to make the student understand that he entered the process of experiential adventure." He explained that "we brought a pedagogical paradigm change. Skills and technologies are not the real story, but a state of mind. It is necessary to transform failures into lessons and strengthen the students. We have introduced more simulating and "gaming" ability into our classrooms and created a more physical, tangible learning environment. We should aim to reach a state of maximum training experience with minimum as possible frontal learning. This is achieved by our innovative cyber simulator, built by CYBERBIT. We encourage innovation and creativity and this approach is embedded into our educational and technological approach. "