**Friendship among cyber security experts the only way to save the world from critical advanced cyber threats**

Ashkan Sami

Associate Professor of CSE and IT

Shiraz University

Shiraz 71847-51154; Iran

Abstract:

IT made it possible to reach knowledge and provide facilities that surpassed imagination even 50 years ago. However the vulnerabilities in systems and software made cyber attacks prevalent in variety of forms and impacts. Stuxnet, the worm that attacked Iran’s nuclear facilities, changed the world. Now it becomes possible to cause destructions and safety problems with cyber attacks. Reaching out for technical solutions is not possible since the amount of investment, number of flaws in software intensive systems and maturity of attack tools have it technically impossible to prevent highly sophisticated cyber attacks from occurrence. Stated differently, with proper amount of money and tools, sophisticated attackers can launch successful attacks; causing economic, political and environmental damage. The impact can be so devastating that no one can imagine. Triggering hatred and anger among civilizations boost the aggressive cyber technology investment making it cheaper and easier to obtain. In this talk, three eras based on the safety impact of cyber attacks is defined. We propose an alternative solutions for cyber threats: formalization of preventive laws and friendship among scientists to share knowledge and strive for a global defense mechanism.