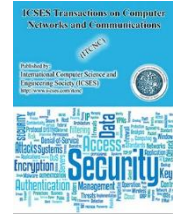




## Editorial

### ICSES Transactions on Computer Networks and Communications (ITCNC)

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# Cyber Security Solutions and Challenges in Ultrafast Internet Connecting Ultra-Smart Computational Devices

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THE future research, innovation and development in the field of Internet and Information Communications Technologies, as well as, in the field of Smart Computational Devices (SCD) will create a platform for ultrafast ubiquitous communication. This is a new beginning for the Future Cyberspace that will become pervasive in its nature while connecting the next generation of Ultra-smart and powerful SCDs accessible to anyone, anywhere and at any time.

The telecommunications networks providers and SCDs developers, are working together to create much faster transmission channels with provision of higher quality of service for any multimedia content for anyone, anywhere at any time. The Smart TVs with high definition audio and video, connected seamlessly to smart computational devices, are becoming a common technology in family homes, business, academic, and business, industry, as well as the non-government and government institutions.

Today, public and private employees are asked to bring their smart devices to work while keeping important confidential information in memory. In case that employee's device may be lost, stolen or hacked into, the information stored in the memory could be abused, compromised or used for malicious purposes. Smart TV and SCDs may be used to protect family residential areas, private homes, schools, hospitals, manufacturing plants, critical infrastructures such as, atomic power and chemical plants, and large cities.

The further research, innovation and development of Future Ultra-Smart and Ubiquitous SCDs and Future Ultrafast Internet, will require even more research, innovation and development in the field of Cyber Security and Policies. Proper Cyber Security mechanisms and policies are essential to protect hardware and software infrastructures from any form of cyber threads from anyone, from anywhere at any time.

The ICSES Transactions on Computer Networks and Communications (ITCNC) Journal discusses the current and future trends of research, innovation and developments in Cyber Security and Future Ultra-Fast Internet and Ultra-Smart SCD's. The ITCNC Journal promotes creation of multidisciplinary multinational research teams and

development of Next Generation of Fully Automated Cyberspace while utilizing Ultra-Smart Ubiquitous SCDs side by side with the advanced Cyber Security solutions for today and for tomorrow.

With regards,

Prof. Eduard Babulak D.Sc., Ph.D., P.Eng.

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