

THE ROLE OF INFORMATION TECHNOLOGIES IN SECURITY & DEFENCE: CAPACITY & DEVELOPMENT PERSPECTIVES FOR BULGARIAN REGIONAL & GLOBAL PARTNERSHIP CONTEXT*

Working Programme

Date: 25 November, 2024, Resident Place: Central Military Club, Sofia, Bulgaria

Start: 13:00 'clock, End: 20:30 o'clock BG Time (GMT +2:00 hours)

13:00 – 13:30 Registration of the Participants

13:30 – 13:45 Welcome Addresses

Introductory Session

13:45 – 14:30 IT for Security Studies in Bulgaria & Their Role in the Allied Security & Defence – Past, Present & Future Trends, Zlatogor Minchev, Velizar Shalamanov, Todor Tagarev, Institute of ICT, Bulgarian Academy of Sciences (a three-part presentation)

14:30 – 15:00 Discussion & Refreshment Break

Young Researcher Session

15:00 – 15:15 Cyber Dimension of Black Sea Security, Jordan Halpern, University of Michigan, Ann Arbor, USA, Zlatogor Minchev, Institute of ICT, Bulgarian Academy of Sciences

15:15 – 15:30 Adaptive Measurement Systems with ML for End-point Protection, Stefan Tafkov, Institute of ICT, Bulgarian Academy of Sciences

15:30 – 16:00 Future Media, Security & Information Integrity, Yulian Hristov & Ivan Lalev, Institute of ICT, Bulgarian Academy of Sciences (a two-part presentation)

16:00 – 16:20 Discussion & Refreshment Break

International Partnership Session

16:20 – 16:40 Developing Stronger Academic and Defense Ties with Partner Nations for Research and Application of Disruptive Technologies, Max Kilger, University of Texas, USA

16:40 – 17:00 Trustworthy (Dependable) AI Systems from Untrustworthy (Undependable) Components Using Diversity, Vyacheslav Kharchenko, National Aerospace University KhAI, Ukraine

17:00 – 17:20 Future CIP – A New Paradigm for Resilience, Alexandru Georgescu, ICI Bucharest, Romania

17:20 – 18:20 Digital Transformation in the Post-informational Age: Security & Defence Transcendents Towards 2040 (Wrap-up Discussion) Moderator: Col. Vilis Turov, AOR "Atlantic"

18:30 – 20:00 Networking Cocktail

**The seminar is devoted to the 20th Anniversary of IT for Security Department, Institute of ICT, Bulgarian Academy of Sciences and is expected to join national and international defence & security experts and young researchers, addressing different security research assets (policymaking, governance, technological, economic, military, social, etc.), while aiming comprehensive allied defence resilient transformation in the new digital age.*