

INTERNATIONAL HYBRID WORKSHOP: TRANSFORMATIONAL CHALLENGES TO SECURITY, DEFENSE & INNOVATIONS IN THE NEW DIGITAL AGE*

WORKING PROGRAMME

DAY I

Date: July 5, 2024, Resident Place: Home of Science & Technology, Plovdiv, Bulgaria

Start: 13:00 'clock, End: 18:30 o'clock BG Time (GMT +2:00 hours)

13:00 – 13:15 Registration of the Participants

13:30 – 13:45 *Welcome Addresses*

13:50 – 14:10 Digital Transformation Security Transcendents:
A Hybrid H-M Perspective, Zlatogor Minchev,
Institute of ICT, Bulgarian Academy of Sciences/
AOR 'Atlantic'

14:15 – 14:35 The Uncanny Valley: Idiosyncratic Phenomena or Functional Evolutionary
Boundary Marker, Max Kilger, The University of Texas at San Antonio, USA

14:40 – 15:00 Digital Transformation from Threat Multiplier to Untapped
Opportunities, Maria Constantinescu, NATO PFP Training
Center DRESMARA, Romania

15: 05 – 15:20 *Coffee Break*

15:25 – 15:45 Strategic Studies Support for Strategic Cyber Intelligence Research,
Horatiu Moga, Constanta Maritime University, Romania

15: 50 – 16: 10 Supercomputer Hemus: Challenges & Opportunities,
Emanuil Atanasov,
Institute of ICT, Bulgarian Academy of Sciences

16:15 – 16:35 The Cyber Range of EDIH Trakia under the CYBER4ALLSTAR
Project as an Environment for the Development of Experts in
the Field of Network & Information Security in Bulgaria's South-
Central Region, Hristian Daskalov, Stanislav Atanasov, EDIH
Trakia, Bulgaria

16:40 – 17:00 Modern VPN Technologies: Vulnerability Analysis, Security Assessment and Ensuring, Ruslan Demura, Vyacheslav Kharchenko, National Aerospace University 'Kharkiv Aviation Institute', Ukraine

17:05 – 17:20 Advanced Malware Attack Disarming Effect
Stefan Tafkov, Institute of ICT, Bulgarian Academy of Sciences

17:25 – 17:40 Sensor Systems for Assessing the Drivers Physiological State in Order to Increase Road Safety, Stiliyan Georgiev, Visteon, USA

17:45 – 18:00 Model for Cybersecurity Exploration in Educational Institutions,
Tiana Kaleeva & Denis Petkov, EDIH Trakia

18:00 – 18:20 *Security, Defense & Innovations Transformation in the Digital Age (Wrap-up Discussion)*, Zlatogor Minchev & Vilis Tsutov, Bulgaria

18:30 – 19:30 *Networking Cocktail*

DAY II

Date: July 6, 2024, Resident Place: Grand Hotel Plovdiv, Plovdiv, Bulgaria

Start: 10:00 'clock, End: 16:00 o'clock BG Time (GMT +2:00 hours)

*Training Session: Foresighting of Future Cybersecurity & Defense Transcendents in the Digital Age. The AI Dualism Implementation Perspectives (Cyber Research Exercise),
Zlatogor Minchev, Stefan Tafkov, Hristian Daskalov
Institute of ICT, Bulgarian Academy of Sciences & EDIH Trakia*

**The workshop aims to gather multiple international views on the future digital transformation security & defense, towards a deeper understanding of the establishment of new smart digital society transcendents (threats, challenges, opportunities, divides, gaps, etc.), taking an advanced role for the AI. The obtained analytical results are expected to enrich the participants' knowledge & understanding of the future security environment in the smart digital society, accentuating the role of AI. Special emphasis will also be given to the flexible and resilient handling of future security issues in the new digital age with autonomous & intelligent dual-tech perspectives. Event working languages are Bulgarian & English.*