



# **PROGRAM**

## **INTERNATIONAL CONFERENCE**

### **Future Armed Forces 2040**

**26 – 27 September, 2017**

**Sofia, Bulgaria**

**Under the patronage**

**of the Deputy Prime Minister for Public Order and Security and Minister  
of Defense of the Republic of Bulgaria**

**Mr. Krasimir Karakachanov**

**ORGANIZER:** Defense Advanced Research Institute (DARI) of G. S. Rakovski  
National Defense College

**PARTNERS:**

- Armed Forces Communications and Electronics Association (AFCEA) International, South East European Region, AFCEA Sofia Chapter
- Defense Acquisition Directorate of the MoD
- Projects Management Directorate of the MoD

**CONFERENCE VENUE**

Central Military Club, 7 Tsar Osvoboditel Blvd., 1000 Sofia, Bulgaria

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## *25 September 2017, Monday*

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- 08:00 – 18:00** Arrival and accommodation of the foreign participants  
**19:00 – 21:00** Icebreaking (Central Military Club)

## *26 September 2017, Tuesday*

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- 08:30 – 09:00** **Registration**
- 09:00 – 10:30** **Official Panel**  
**Moderator** Capt. (BGR-N) Prof. Yantsislav Yanakiev, D.Sc.
- 09:00 – 09:10** **Opening remarks of Major General (BGR-A) Grudi Angelov, Commandant of G. S. Rakovski National Defense College**
- 09:10 – 09:20** **Key Note Address by Mr. Krasimir Karakachanov, Deputy Prime Minister for Public Order and Security and Minister of Defense of the Republic of Bulgaria**
- 09:20 – 09:30** **Address by Lieutenant General Andrey Botsev, Chief of Defense**
- 09:30 – 09:40** **Address by Mr. Konstantin Zografov, AFCEA Regional Vice President for South East European Region and AFCEA Sofia Chapter President**
- 09:40 – 10:10** **Keynote Speaker Mr. Alan Shaffer, Director NATO Science and Technology Organization Collaborative Support Office: “Future Armed Forces 2040”**
- 10:10 – 10:30** **Discussions**
- 10:30 – 11:00** **Family Photo and Coffee Break**
- 11:00 – 12:20** **First Panel “*Security Foresight Analysis 2040 – Global Challenges and Trends*”**  
**Moderator** Mr. Konstantin Zografov, AFCEA Sofia Chapter President
- 11:00 – 11:30** **LTC Sven Szabo, NATO ACT: “Security Foresight Analysis 2017& Future Framework of Alliance Operations”**
- 11:30 – 11:50** **Ms. Rositsa Dimitrova, MoD, Director of Defense Policy Directorate: “Future Armed Forces 2040: A View from Bulgaria”**
- 11:50 – 12:20** **Industry Presentation Mr. Jan Grabowski, NEXTER SYSTEMS: “Land Forces Modernization. Bulgarian Approach to the Future”**
- 12:20 – 13:30** **Working Lunch**

- 13:30 – 15:30** **Second Panel “Balkans and Black Sea Region: Emerging Security Challenges”**  
**Moderator** Ms. Rositsa Dimitrova, MoD, Director of Defense Policy Directorate
- 13:30 – 13:50** Major General (BGR-A) Grudi Angelov, Commandant of G. S. Rakovski National Defense College: **“Security Challenges in the Balkans and the Black Sea Area”**
- 13:50 – 14:10** Dr. George Evangelou Koukoudakis, Greece, Military Academy: **“Post-Modern Form of War and its Consequences for the Balkans”**
- 14:10 – 14:30** Assoc. Prof. Dr. Peter Dimitrov, G. S. Rakovski National Defense College: **“Some Aspects of Future Conflict”**
- 14:30 – 14:50** Dr. Plamen Petrov, Board Member, Bulgarian Geopolitical Society: **“Post-Crimean Strategic Landscape in the Wider Black Sea: Changes and Challenges”**
- 14:50 – 15:10** Prof. D.Sc. Alexander Kostov, Bulgarian Academy of Sciences, Director of Institute of Balkan Studies and Centre of Thracology: **“Refugees Crisis and Balkans”**
- 15:10 – 15:30** **Discussions**
- 15:30 – 16:00** **Coffee Break**
- 16:00 – 17:55** **Third Panel “Vision for Future BAF Services”**  
**Moderator** Vice Admiral (BGR-N) Emil Eftimov, Deputy Chief of Defense
- 16:00 – 16:20** Brigadier General (BGR-A) Valeri Tsolov, Deputy Commander of the Bulgarian Land Forces: **“Vision for Development of the Land Forces 2040”**
- 16:20 – 16:40** Major General (BGR-AF) Tsanko Stoykov: **“Vision for Development of the Air Forces 2040”**
- 16:40 – 17:00** Rear Admiral Mitko Petev: **“Vision for Future Naval Forces”**
- 17:00 – 17:20** Brigadier General (BGR-A) Yavor Mateev: **“Vision for Development of Special Operation Forces 2040”**
- 17:20 – 17:40** COL Georgios Zisekas, NATO Forces Integration Unit (NFIU): **“NFIU BGR’s Mission and Role in the Planning & Preparation of RSOM process for NATO Forces in Bulgaria”**
- 17:40 – 18:10** **Discussions**
- 18:10 – 18:15** **Closing of the first day of the conference:** Capt. (BGR-N) Prof. Yantsislav Yanakiev, D.Sc.
- 19:30 – 21:30** **Reception for the registered conference participants and guests, Lozenets Residence (Upon invitation)**

*27 September 2017, Wednesday*

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- 09:00 – 10:30** **Fourth Panel “Armed Forces 2040 – Capabilities and Investments”**  
**Moderator** Major General (ret.) Dr. Sabi Sabev
- 09:00 – 09:20** Brigadier General Krasimir Kanev, MoD, Director, Strategic Planning Directorate: **“Armed Forces 2040 – Capabilities and Investments”**
- 09:20 – 09:40** Dr. Ioannis Antonios Ragies, Greece, Hellenic Military Academy: **“The 2% Target: Understanding Defense Capabilities and Commitments within Transatlantic Alliance”**
- 09:40 – 10:00** Dr. Nikolay Pavlov, Bulgarian Academy of Science, Centre for National Security and Defense Research: **“Implementing the Pooling & Sharing Concept in the Balkans and the Black Sea Area”**
- 10:00 – 10:30** **Discussions**
- 10:30 – 11:00** **Coffee Break**
- 11:00 – 12:30** **Fifth Panel “Technological Trends and their Effect on Future Warfare”**  
**Moderator** COL Assoc. Prof. Dr. Ivan Hristozov, G. S. Rakovski National Defense College, Deputy Director of Defense Advanced Research Institute
- 11:00 – 11:20** COL Dr. Andreas Ferdinand Alexa, Austria, National Defense Academy: **“Emerging Technologies in the Field of Logistics”**
- 11:20 – 11:40** **Industry Presentation** Mr. Vasil Filipov, NearSoft Ltd.: **“Industry 4.0: Maintenance Operations Management and military asset management with IIoT”**
- 11:40 – 12:00** Major (BGR-A) Stoian Chervenjakov: **“The World in the Digital era. Military Implements of the Technological Evolution”**
- 12:00 – 12:20** COL (BGR-A) Lyubomir Monov, NATO ACT: **“Technology and the Future of War”** (VTC)
- 12:20 – 12:30** **Discussions**
- 12:30 – 13:30** **Working Lunch**
- 13:30 – 15:30** **Sixth Panel “Armed Forces 2040 – Human Capital”**  
**Moderator** Colonel Ignat Spahiyski, MoD, Deputy Director of Human Resource Management Directorate
- 13:30 – 13:45** Capt. (BGR-N) Prof. Yantsislav Yanakiev, D.Sc., G. S. Rakovski National Defense College; Director of Defense Advanced Research Institute: **“People in Defense – Forgotten Component in Military Capabilities Building Process”**

- 13:45 – 14:05** Dr. Akram Farhat, Qatar, Qatar Armed Forces, Strategic Studies Center: **“Complexities of Merging Armed Militias into Regular Armed Forces: Case Study of the Popular Mobilization Forces in Iraq”**
- 14:05 – 14:25** COL Ignat Spahiyski, MoD, Deputy Director of Human Resource Management Directorate: **“Development of Human Capital in Armed Forces”**
- 14:25 – 14:45** Dr. Barbara Waruszynski, Canada: **„Diversity as a Force Enabler for Enhancing Operational Effectiveness in the Canadian Armed Forces”**
- 14:45 – 15:00** Dr. Elitsa Nikolova, G. S. Rakovski NDC; Capt. (BGR-N) Prof. Yantsislav Yanakiev, D.Sc.: **“NATO Strategic Communications and Netizens: Creative Future to Come”**
- 15:00 – 15:15** Assoc. Prof. Dr. Veselina Gagamova, G. S. Rakovski National Defense College: **“Stages in the Professional Development and Competences of the Human Capital in the Modern Armed Forces”**
- 15:15 – 15:30** **Discussions**
- 15:30 – 16:00** **Coffee Break**
- 16:00 – 17:30** **Seventh Panel “Future Challenges in the Fifth Dimension of Battlespace” (Cyber)**  
**Moderator** Mr. Vasil Rizov, Deputy Chairman of the State Commission of Protection of Classified Information
- 16:00 – 16:20** COL Prof. Dr. Iulian Martin, Romania, “Carol I National Defense University”: **“Malicious Behavior on Mobile Terminals – Vector of Propagation for Cyber Threats”**
- 16:20 – 16:40** Dr. Kiril Avramov, New Bulgarian University: **“From Words to Action: Targeting and Scope at Grassroots Levels of Russian Propaganda Warfare Psy-ops in the Cases of Bulgarian Paramilitary Organizations”**
- 16:40 – 16:55** COL (BGR-A) Kamen Ivanov, JFC: **“New Threats in Front of the BAF Need New Approaches”**
- 16:55 – 17:10** Dr. Otylia Bieniek, Poland, War Studies University: **“Cyber Army. The Key to the Future Cyber Defense”**
- 17:10 – 17:20** Dr. Arnold Dupuy & Mr. Booz Allen Hamilton, USA: **“The Cyber-Energy Nexus: The Military Operational Perspective” (VTC)**
- 17:20 – 17:35** **Discussions**
- 17:35 – 17:45** **Closing of the Conference:** Major General (BGR-A) Grudi Angelov, Commandant of G. S. Rakovski National Defense College