

**SCIENTIFIC CONFERENCE
WITH INTERNATIONAL PARTICIPATION
"20 YEARS BULGARIA IN NATO AND NATO IN BULGARIA"**

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| April 2nd, 2024 | OPENING CEREMONY Rakovski National Defence College, Ceremonial Hall |
| 14:00 – 15:00 | Registration, Ceremonial Hall Lobby |
| 15:00 – 17:00 | Opening Speech by MG Todor Dotchev – Commandant of Rakovski National Defence College |
| | <p>Welcoming addresses:</p> <ul style="list-style-type: none"> - President of the Republic of Bulgaria. - Chairperson of the National Assembly of the Republic of Bulgaria. - Prime Minister of the Republic of Bulgaria. - Chairperson of the Defence Committee of the National Assembly of the Republic of Bulgaria. - Minister of Defence of the Republic of Bulgaria. - Minister of Foreign Affairs of the Republic of Bulgaria. - Chief of Defence. - Ambassadors of NATO Countries with accreditation in Bulgaria. <ul style="list-style-type: none"> - MG (Ret) Barre R. Seguin – Director of George C. Marshall European Center for Security Studies. - Acad. Prof. Julian Revalski, DSc. – President of the Bulgarian Academy of Sciences. - Norbert Beckman-Dirkes – Director of “Konrad Adenauer” Foundation in Bulgaria. |
| 17.00 – 18.30 | WELCOME COCKTAIL Rakovski National Defence College, Ceremonial Hall Lobby |

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| April 3rd, 2024 | CENTRAL MILITARY CLUB |
| 09:00 – 10:00 | Registration, hot drinks |
| 10:00 – 10:10 | OPENING REMARKS |
| | "20 Years Bulgaria in NATO and NATO in Bulgaria" MODERATOR: Col. Dimitar Tashkov , Assoc. Prof., PhD – Deputy Commandant of Rakovski National Defence College |
| 10:10 – 10:45 | PLENARY SESSION - Todor Tagarev – Minister of Defence - Admiral Emil Eftimov – Chief of Defence - MG (Ret) Barre R. Seguin – Director of George C. Marshall European Center for Security Studies |
| 10:45 – 11:00 | Discussion |
| 11:00 – 11:15 | Group Photo |
| 11:15 – 11:30 | Coffee Break |
| 11:30 – 12:30 | POSTER SESSION "20 YEARS BULGARIA IN NATO AND NATO IN BULGARIA" |
| 12:30 – 13:30 | Lunch |
| 13:30 – 15:00 | FIRST SESSION MODERATOR: Col. Zhivo Petrov , Assoc. Prof., PhD – Defence Advanced Research Institute Director, RNDC "Defence Capabilities Development" |
| 13:30 – 13:45 | Desislava Yosifova , Prof., DSc – <i>Foreign Military Sales and Direct Commercial Sales as Alternatives and Possibilities to be Combined in Defence Acquisition</i> |
| 13:45 – 14:00 | Dimo Savov – <i>Relevance and Significance of the Center of Gravity Concept in Modern Planning and Conduct of NATO Operations</i> |
| 14:00 – 14:15 | Major Dimitar Nestorov , Assist. Prof., Major Ivaylo Zhelyazkov – <i>Challenges to the Operational Art in Modern Joint Operations</i> |
| 14:15 – 14:30 | Anelia Atipova , Assist. Prof., PhD – <i>Assessment of the National Security Protection System in the Republic of Bulgaria</i> |
| 14:30 – 14:45 | Col. Ivaylo Ralev , Assoc. Prof., PhD – <i>Building and Maintaining Bulgarian Armed Forces Logistics Capabilities through NATO Programmes, Projects and Initiatives</i> |
| 14:45 – 15:00 | Discussion |
| 15:00 – 15:30 | Coffee Break |

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| 15:30 – 17:00 | SECOND SESSION MODERATOR: Col. Prof. Emil Enev , PhD – Dean of Command and Staff Faculty, RNDC "(R)Evolution of the Security Environment in the Black Sea Region" |
| 15:30 – 15:45 | Plamen Dyakov – <i>Contemporary Regional Security Environment and Military Imbalances in the Black Sea</i> |
| 15:45 – 16:00 | Lieut. Col. Mihail Peev – <i>Influence of the Concept of Eurasianity on the Evolution of Turkish Geopolitical Ideas</i> |
| 16:00 – 16:15 | Atanaska Popova , Assist. Prof., PhD – <i>NATO's Policy in the Black Sea Region after 2014</i> |
| 16:15 – 16:30 | Boryana Miteva , Assist. Prof., PhD – <i>War in Ukraine and Japan-NATO Cooperation: Japanese Perspective</i> |
| 16:30 – 16:45 | Col. Ivan Chakarov , Assoc. Prof., PhD – <i>Acquiring a New Force Command and Control System Capability as Part of NATO's Federated Mission Network Environment</i> |
| 16:45 – 17:00 | Discussion |
| 19:30– 21:00 | OFFICIAL DINNER Boyana Residency |

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| April 4th, 2024 | CENTRAL MILITARY CLUB |
| | THIRD SESSION |
| 09:00 – 10:30 | <p>MODERATOR: Col. Zhivko Zhelev, Assoc. Prof., PhD – Dean of National Security and Defence Faculty, RNDC</p> <p>"Political-Diplomatic Relations Between Bulgaria and NATO"</p> |
| 09:00 – 09:15 | Eng. Georgi Samandov – <i>Power System Security in the Context of the European Energy Transition</i> |
| 09:15 – 09:30 | Boyan Zhekov , Assist. Prof., PhD – <i>The Bulgarian People’s Army in the Nato Estimates of the Soviet Bloc, 1950 – 1953</i> |
| 09:30 – 09:45 | Stoyan Nikolov , Assoc. Prof., PhD – <i>Company 4093</i> |
| 09:45 – 10:00 | Hristian Yotov – <i>Political and Diplomatic Relations between Bulgaria and NATO in the Years 1992 – 1994</i> |
| 10:00 – 10:15 | Angel Apostolov , Assist. Prof., PhD – <i>The Treaty on Conventional Armed Forces in Europe – Signing, Adaptation and Termination</i> |
| 10:15 – 10:30 | Discussion |
| 10:30 – 11:00 | Coffee Break |
| | FOURTH SESSION |
| 11:00 – 12:30 | <p>MODERATOR: Col. Ivo Radulov, Assoc. Prof., PhD – Chief of Scientific Section in Defence Advanced Research Institute, RNDC</p> <p>"Defence Acquisition and Efficiency of Defence Expenditure"</p> |
| 11:00 – 11:15 | Lieut. Col. Nuran Mahmudov – <i>Countering Hybrid Threats: Cybersecurity’s Vital Role in Modern Conflict</i> |
| 11:15 – 11:30 | Maj. Gulam N. Mahammadov - <i>NATO and the Importance of the Deep in Linguistic Interoperability to Spread English as the Language of International Communication</i> |
| 11:30 – 11:45 | Capt. (Navy) Todor Dimitrov , PhD – <i>Application of Unmanned and Remotely Controlled Sea Vehicles for Collecting and Remote Transmission of Information in Naval Operations</i> |
| 11:45 – 12:00 | Ramil Akhundov , Prof., PhD – <i>The Environmental Consequences of Military Activity</i> |
| 12:00 – 12:15 | Vugar Mammadzada , Assoc. Prof., PhD; Lieut. Col. Eljan Imamverdiyev Ramiz – <i>National Interests in the Context of Ensuring National Security</i> |
| 12:15 – 12:30 | Discussion |
| 12:30 – 13:30 | Lunch |

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| 13:30 – 14:00 | <p style="text-align: center;">POSTER SESSION</p> <p style="text-align: center;">"20 YEARS BULGARIA IN NATO AND NATO IN BULGARIA"</p> |
| 14:00 – 15:30 | <p style="text-align: center;">FIFTH SESSION</p> <p style="text-align: center;">MODERATOR:</p> <p style="text-align: center;">BG (Ret) Rolf Wagner – German Deputy Director, George C. Marshall European Center for Security Studies and Chairman of the Partnership for Peace Consortium (PfPC) Senior Advisory Council</p> <p style="text-align: center;">"25th Anniversary: "History of the Partnership for Peace Consortium, Impact in the Region, and Bulgaria's Role"</p> |
| 14:00 – 14:15 | Greta Keremidchieva – <i>PfP-C - Advanced Distributed Learning in Training and Education</i> |
| 14:15 – 14:30 | Alan Stolberg , PhD – <i>The PfP-C Education Development Working Group: Past, Present, and Future</i> |
| 14:30 – 14:45 | LTC (GS) Falk Tettweiler – <i>PfP-C – Helping to address Emerging Security Challenges</i> |
| 14:45 – 15:00 | Plamen Pantev , Prof., PhD – <i>The Balkans – The PfP-C Regional Stability in South East Europe Study Group: The Work Ahead</i> |
| 15:00 – 15:30 | Discussion |
| 15:30 – 16:00 | <p>CLOSING REMARKS</p> <p>MG Todor Dotchev</p> |

POSTER SESSION

"20 YEARS BULGARIA IN NATO AND NATO IN BULGARIA"

| April 3rd, 2024 |
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| Oleg Marinov , PhD – NATO'S Strategy and Policy in the Black Sea Region |
| Yoana Ivanova , Assist. Prof., PhD – Digital Methods for Optimizing Ruby Crystals for Security Applications |
| Capt. I rank Krasimir Kostadinov , Assoc. Prof., PhD – Functioning and Challenges before the Maritime Security Information System |
| Stefania Mircheska , PhD – A Strategic Approach to the Development and Implementation of Quantum Technology in Security |
| Lieut. Commander Nikolay Kirchev – Necessity of Mining Activity in the Littoral Zone in the Context of Modern Armed Conflicts |
| Kalin Gradev , Assoc. Prof., PhD – Abilities or Capabilities – Nature and Applicability |
| Georgi Georgiev , Assist. Prof. – General Requirements for Planning Scenarios |
| Lieut. Col. Danail Petev , Assist. Prof., PhD – Activities of Engineer Forms Participating in Operations on Clearance of Unexploded Ammunition |
| Venelina Kostova – Contemporary Policies for Implementing Preventive Measures on Persons with Departure Bans Imposed |
| Dragomir Krastev , Assoc. Prof., DSc – Geography of Cyberspace |
| Asen Kehaiov – Application of Artificial Intelligence in Systems for Integrated Detection and Response to Cyber Threats |
| Colonel Dimitar Nedevski , Assoc. Prof., PhD – Information Assurance of the Early Warning and Reporting System for Chemical, Biological, Radiological and Nuclear Events |
| CDR Kalin Karakolev – NATO and the Geopolitical Knot in the Black Sea Region |
| Colonel Dimitar Valkov , PhD – Development of the Lessons by Practice System in NATO – an Inside View |
| Maj. Eng. Dyanko Hubenov , Assist. Prof., PhD; Maj. Eng. Chavdar Shehov , Assist. Prof.; Maj. Eng. Petya Zheleva – Risk Assessment in Cybersecurity Systems: a Mathematical Analysis |
| Commander Krasimir Angelov – Time Parameter in Determining the Status of a Naval Ship`s Safety System |
| Major Valeri Todorov – Guidelines for Use and Development of Intelligence Systems and IMINT Platforms |
| Radoslav Chalakov – OF-4, PhD – Targeting and Cultural Heritage: the Destruction of Cultural Heritage During Conflicts |

Colonel **Zhivo Petrov**, Assoc. Prof., PhD; **Lyubosvet Stoev**, Assoc. Prof., PhD; Captain (NAVY OF-5) **Angel Valchev** – Laser Weapons – Current Status and Progress

Valeri Ivanov, Prof., PhD; **Michael Kozarski**, PhD candidate; **Anton Manchev**, PhD – 20 Years of Membership of the Republic of Bulgaria in NATO and the Challenges Arising from the Geo-Strategic Projects of China and Russia on the National Security

Hristo Stanev, PhD (Reserve Colonel) – Institutional Interaction in the Application of Radio Electronic Measures to Fight Drones in Peacetime

Atanas Viktorov – The Lean Six Sigma Method – an Alternative for Optimizing Processes in the Armed Forces

Zafar Najafov, PhD – Iran's Policy in the Caspian-Black Sea Region

Lieut. Col. **Kristina Krumova**, Assist. Prof. PhD – Cyber Effects in Operations – Power Projection in Cyberspace

Georgi Stoichkov – Support for Ukraine and Bulgaria's Contribution to the Current NATO Strategic Framework

Maj. **Aleksandar Hashamov** – Model for Management of Building and Development Process of the Armed Forces of the Republic of Bulgaria

Kaloyan Pancheliev, PhD – Major Dilemmas In Front Of The Document On Confidence And Security Building Measures in the Naval Field in the Black Sea

Maj. **Vladimir Petrov** – Hybrid Threat. Concept.

Maj. **Vaklin Kirilov** – Structure and Functions of „Information Activities Working Group“

Desislava Yosifova, Prof., DSc – Differentiation and Interaction Between FMF, FMS and the Direct Commercial Sales Approach in the Context of Alliance Defence

April 4th, 2024

Valentin Velkov, Assist. Prof. – Modern Manifestations of Maritime Piracy and Armed Robbery Against Ships and Concepts of Fighting Them

Colonel **Georgi Georgiev**, Prof., PhD – Planning of Tactical Engineering Enclosures

Maj. **Milena Georgieva** – Artificial Intelligence – A Tool for Transformational Processes in NATO

Ivan Hristozov, Assoc. Prof. PhD; **Veselina Aleksandrova**, Assoc. Prof. PhD, **Ivan Chakarov**; Assoc. Prof. PhD; **Chavdar Kostadinov**, Assoc. Prof. PhD; **Kristina Krumova**, Assist. Prof. PhD; **Rosen Angelov**, PhD student – Cyber Intelligence Threat Modeling Tools and Processes Used in NATO

Colonel **Ivaylo Ignatov**, PhD – Distance Learning and Qualification Opportunities in NATO

Katya Peycheva, Assist. Prof., PhD – Defence Expenditures in the Modern Security Environment

Katya Peycheva, Assist. Prof., PhD – Defence Expenditures Efficiency and the Public Interest to the Sector

Lieut. Col. **Andon Andonov**, Assist. Prof., PhD – Airstrike System Functional Design and Quality Criteria Study

Lieut. Col. **Andon Andonov**, Assist. Prof., PhD – Weaponing Process Application in the Air Tasking Cycle

Svetoslav Velkov, PhD – The Digital Economy in Economic Development in the 21st Century

Maior **Gabriela-Florina NICOARĂ**, PhD; Colonel **Daniel ROMAN**, PhD – Educating Military Leaders on Future Challenges

Jordan Deliversky, Assoc. Prof., PhD – The New Anti-Corruption Law – Challenges and Perspectives

Col. eng. **Stoyan Chervenjakov** – Command and Organization Approaches and Tools in the Reparation of Staff for Building of Capabilities in the System for the Collective Defense of NATO

Lieut. Col. **Dimo Ginev**, Assist. Prof., PhD – Civil Defence – Anachronism or Existential Necessity

Lieut. Col. **Dimo Ginev**, Assist. Prof., PhD – The Procedures – Foundation for Implementing Crisis Management

Radoslav Bonev, Assoc. Prof., PhD – Historical Geography and Polemology – Relationships in the Theory of International Security

Ivaylo Yotov – Main Characteristics of the Innovation Activity

Maksim Karev, Prof., PhD – Participation of the Formations of the Bulgarian Army in Operations and Missions Outside the Territory of the Country – Before and After the Joining of Bulgaria to NATO

Rosen Angelov, PhD student – Analysis of Functions for Management of the Quality of Services in a Communication – Information System for Military Purposes

Sofia Uzunova, Phd. Student – A Phase Method for Signal Processing in Short-Range Ultra–Wideband Radar

Mihail Zhelyazov, Assoc. Prof., PhD; **Sofia Uzunova**, PhD Student – Synthesis of a Pre-Tuned Filter for Combating Passive Interference