

**PROGRAMME***Recommendation to the speakers: Keep 3-5 minutes of the time of your presentation for Q&A*

Monday, 04.11.2019	
16:00 – 18:00	<i>Registration, Hotel Hall</i>
19:30 - 22:30	<i>Welcome wine cocktail - Hotel Winter Garden</i>

Tuesday, 05.11.2019	
08:00 – 09:10	<i>Registration, Conference Hall</i>
	Conference Room
09:10	Mladen MITEV , BgNS President, <i>Welcome words</i>
09:20	Pavlin GROUDEV , Chair of the conference, <i>Opening the Conference</i>
	Session: NEWS AND OVERVIEWS
	Chairs: Pavlin GROUDEV (INRNE-BAS, BG) and Ilinka JIVKOVA (Kozloduy NPP, BG)
09:30 – 10:00	Rosario RENDE-GRANATA , European Commission, DG Energy, Luxembourg, <i>“Key Aspects of Euratom Law”</i> .
10:00 – 10:30	Petar GORCHEV , ATEPE-EP Ltd, Bulgaria, <i>“NPP Hanhikivi -1' in Finland and the Evolution of PWRT type VVER 1000/1200”</i>
10:30 – 11:00	Antonio BALLESTEROS , European Commission – JRC, <i>“Analysis of Ageing Events in NPPs”</i>
11:00 – 11:30	<i>Coffee break</i>
11:30 – 12:00	Kliment NAYDENOV , Sofia University “St. Kliment Ohridski”, Bulgaria <i>“Building and Developing the Quantum Communication, Intelligent Security Systems and Risk Management (Quasar) Competence Center”</i>
	Session: NPP POLICY AND MANAGEMENT
	Chairs: Luben MARINOV (Kozloduy NPP New Build, BG) and Viktor KOLYKHANOV (Odessa NPU, UA)
12:00 – 12:20	Miroslav MANOLOV , Kozloduy NPP, Bulgaria <i>“Extension of the Lifetime of the Existing NPPs”</i>



12:20 – 12:40	Nadezda RANDELOVA , High School of Nuclear Energy “Igor Kurchatov”, Kozloduy, Bulgaria, “ <i>Control of Radioactive Waste - a New Specialty in the Vocational High School of Nuclear Energy "Igor Vasilievich Kurchatov" in Kozloduy</i> ”
12:40 – 13:00	Neli YANKOVA , Nuclear Regulatory Agency, Bulgaria, “ <i>Development of the concept of Management Systems in the IAEA Safety Standards Series: GSR Part 2 Leadership and management for safety</i> ”
13:10 - 14:40	<i>Lunch, Hotel Restaurant</i>
	Session: NPP POLICY AND MANAGEMENT (Cont.)
	Chairs: Luben MARINOV (Kozloduy NPP New Build, BG) and Viktor KOLYKHANOV (Odessa NPU, UA)
15:00 – 15:20	Albena BELYANOVA , Bulgaria, “ <i>Licensing and Project Development of New Nuclear Power Plant in Republic of Bulgaria. Lessons Learned</i> ”
15:20 – 15:40	Bilyana SIMEONOVA , Kozloduy NPP New Build, Bulgaria, “ <i>Environmental Impact Assesment Procedure for the Project of Construction of a New Nuclear Power Capacity</i> ”
	Session: DOSIMETRY
	Chairs: Krassimira TZIBRANSKA (Kozloduy NPP, BG) and Igor Kozlov (Odessa NPU, UA)
15:40 –16:00	Peter TRINDEV , „Gammacheck“ EOOD, Milena Dimcheva, Department of Nuclear Medicine, Sofia Cancer Center “ <i>Overview of Dose Calibrators in Nuclear Medicine</i> ”
16:00 –16:20	Russian TSIBRANSKI , Radioecological Monitoring Department, Kozloduy NPP, “ <i>Detection of Changes in the Radiological Status of the Environment From Trans-Border Influence and Cases of Increased Natural Radiation Background - Response Capacity of Kozloduy NPP Radiation Monitoring Systems</i> ”
16:20 – 16:50	<i>Coffee break</i>
16:50 – 17:50	Session: POSTERS
	Chairs: Krassimira ILIEVA (BgNS) and Albena GEORGIEVA (BNRA, BG)
	POSTERS listed behind the Program will be presented. <i>Request for short (3 min) presentation has to be done preliminary to the chairs.</i>



Wednesday, 6.11.2019	
Conference Room	
YOUNG GENERATION COMPETITION	
Chairs: Dobromir DIMITROV (INRNE-BAS, BG) and David WINFIELD (Canada)	
09:00 – 10:50	<p>ORAL PRESENTATIONS</p> <p><i>For presentation - 15 min plus for questions - 3 min.</i></p> <ol style="list-style-type: none">1. Valentin GEORGIEV, Kozloduy NPP, Bulgaria, <i>“Presentation of the Participation in Inter-laboratory Comparisons of the Radiation Monitoring of Technological Processes (RMTP) Group at Kozloduy NPP”</i>2. Dimitar GANCHEV, Kozloduy NPP, Bulgaria <i>“Small Modular Reactor.”</i>3. Ivan MARINOV, Technical University of Sofia, Bulgaria, <i>“Negative Reactivity Feedback Effect of Generation III+ CANDU Reactors”</i>4. Anelia BOBOCHOEVA, Technical University of Sofia, Bulgaria, <i>“Influence of the Type of Material on the Geometric Characteristics of the Reflectors in Thermal Nuclear Reactors”</i>5. Burak SARIOĞLU, Istanbul Technical University, Turkey, <i>“Dose Calculations of Anthropomorphic Voxel-based Phantom with Americium-241/Beryllium Neutron Source”</i>6. Gürel ÖZEŞME, Istanbul Technical University, Turkey, <i>“Determination of Disposal Density of VVER-1200 Spent Fuel Loaded Canisters in Horizontal Geological Disposal”</i>7. Borislav BOEV, D. A. Tsenov, Academy of Economics, Bulgaria, <i>“Nuclear Energy as Part of European Energy Policy - Prospects and Challenges”</i>
10:50 – 11:00	<i>Voting</i>
11:00 – 11:30	<i>Coffee break</i>
11:30 – 11:50	<p style="text-align: center;">POSTER’S COMPETITION</p> <p><i>Request for short (3 min) presentation has to be done preliminary to the chairs.</i></p> <ol style="list-style-type: none">1. Daniel HRISTOV, Kozloduy NPP, Bulgaria, <i>“Metrological Assurance for Individual Dosimetric Control”</i>2. Dimitar CHERESHKOV, Technical University of Sofia, Bulgaria, <i>“Future Energy or Energy of the Future”</i>
11:50 – 12:00	<i>Voting</i>



	Session: APPLICATION AND EXPERIMENT IN NUCLEAR
	Chairs: Kalin FILIPOV (Technical University of Sofia, BG) and Alexandar MLADENOV (INRNE-BAS, BG)
11:50 – 12:10	Jiří ŽDÁREK , ÚJV Řež, a. s., “ <i>Status of the Large Scale Experiment THS-15 to Confirm IMVR Strategy.</i> ”
12:10 - 12:30	Petar ZHIVKOV , INRNE-BAS, “ <i>Energy Balance of Accelerator Driven Subcritical Reactors</i> ”
12:30 – 12:50	Dobromir DIMITROV , INRNE-BAS, „ <i>Current Activities on the National Cyclotron Centre.</i> ”
13:10 – 14:30	<i>Lunch, Hotel Restaurant</i>
14:10 – 17:00	<i>Excursion to Ruse Town</i>
19:30 – 23:30	Gala dinner, Hotel Restaurant Awarding the best YG presentations.
Thursday, 7.11.2019	
	Conference Room
	Session: REACTOR AND DECOMMISSIONING ISSUES
	Chairs: Rusiyan TZIBRANSKI (KNPP, BG) and Petya VRYASHKOVA (INRNE-BAS, BG)
10:00 – 10:20	Dimitar LAZAROV , Engineering Support Division, Kozloduy NPP, Bulgaria, “ <i>Startup of the Reactors of Units 5 and 6 of Kozloduy NPP on a Hot Zero Power Level after Shutdown During the Fuel Cycle</i> ”
10:20 - 10:40	Emil KICHEV , Bulgaria, “ <i>Method for Categorization of the Deviations found during the Periodic Safety Review (PSR) of Units 5 and 6 at Kozloduy NPP</i> ”
10:40-11:00	Denitsa DISHKOVA , State Enterprise Radioactive Waste, Bulgaria, “ <i>Decommissioning of KNPP Units 1-4. Results Achieved and Challenges</i> ”
11:00- 11:20	Valentina LAZAROVA , Administration and Control Division, Kozloduy NPP, Bulgaria, “ <i>Kozloduy NPP 45 Anniversary – in the Context of the Company’s Internal Communications During 2019</i> ”
11:20- 11:40	Pavlin GROUDEV , Chair of the conference, <i>Closing of the conference</i>

POSTERS



1. Pavlin Groudev¹, Neli Zaharieva¹, Anton Chaushevski² ¹INRNE-BAS, Bulgaria, ²Faculty of Electrical Engineering & IT, Ss. Cyril and Methodius University, Skopje, Macedonia “*Comparative Evaluation of Different Nuclear Energy Systems in Bulgaria Country Specific Context.*”
2. Victor Kolykhanov, I. Kozlov, D. Polehenkyi, H. KulykOdessa National Polytechnic University, Ukraine, “*Evaluation of the Neutron Flux Distribution in Two-Zone Reactor.*”
3. I. Aretinskaya, O. Chulkin, A. Kharabet, V. Kolykhanov, O. Zoteev, V. Zoteev, Odessa National Polytechnic University, Ukraine, “*Methodology Double Stage Assessment of the Exploitation Lifetime of NPP Power Equipment.*”
4. V. Skalozubov, D. Pirkovskiy, N. Bilous, I. Kozlov, V. Kolykhanov, O. Sedova, Odessa National Polytechnic University, Ukraine, “*Conditions for Prevention of Water Hammers at Start-Up of Emergency Feed-Pumps with a Steam-Driver of Nuclear Power Plants.*”
5. Deyan Atanasov and Pavel Batalov, Kozloduy NPP, Bulgaria, “*The Realization of the Investment Program – a Guarantee for a Stable Safety Development of NPP Kozloduy.*”
6. Boyka Nenkova and Peter Manchev, GCR Ltd., Bulgaria, “*Certification According to the Requirements of Social Accountability Standard SA 8000:2014.*”
7. Nina Nikolova, Dimitar Tonev, Elena Geleva, Dobromir Dimitrov, Todor Arsov, Christo Angelov, INRNE-BAS, Bulgaria, “*Atmospheric Radioactivity Monitoring at the INRNE-BAS and Moussala Peak.*”
8. Krasen Rashkov, Kozloduy NPP, Bulgaria, “*Severe Accidents for SFPs Using SAMG*”
9. L. Dobrev, D. Dimitrov, D. Dimitrova, B. Slavchev, M. Mitev, E. Geleva, INRNE-BAS, Bulgaria, “*Determination of Nb-93m specific activity in pure niobium reactor dosimetry monitors using liquid scintillation counting and gamma-spectrometry*”
10. Blagorodka Veleva¹, Elena Hristova¹, Raliza Valcheva², Emilia Nikolova², ¹National Institute of Meteorology and Hydrology, Sofia, Bulgaria, ²Institute of Nuclear Research and Nuclear Engineering, Sofia, Bulgaria, “*Development of methodology for ED-XRF application for studying of elemental composition of air particulate*”
11. Maria Velichkova, Kozloduy NPP, Bulgaria “*Personal Dosimetry at Kozloduy NPP – Dose Monitoring*”

YG COMPETITION COMMISSION

Ljudmil Tzankov, Associate Professor Dr., Sofia University "St. Kliment Ohridski"

Kalin Philipov, Associate Professor Dr., Technical University of Sofia

Pavlin Groudev, Associate Professor, D.Sc., Institute for Nuclear Research and Nuclear Energy of Bulgarian Academy of Sciences

Competition Criteria

The evaluation criteria for the competition are: correspondence with the conference title, actuality, clear statement of objectives, subject, results and conclusions, understandability, attractiveness and visualization, balance between text and images.