



PROGRAMME

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

Monday, 10.09.2018	
16:00 – 18:00	<i>Registration, Hotel Hall</i>
19:45 - 20:30	Welcome wine cocktail – Piano bar
20:30 – 22:30	Welcome Dinner – Paradiso restaurant

Tuesday, 11.09.2018	
08:00 – 09:15	<i>Registration, Conference Hall</i>
	Conference Room
09:20	Opening by the Conference Chair Pavlin GROUDEV
	Session: NEWS AND OVERVIEWS
	Chairs: Pavlin GROUDEV (INRNE-BAS, BG) and Emil KICHEV (Kozloduy NPP, BG)
09:30 – 10:00	Mladen MITEV , <i>Bulgarian Nuclear Society</i> , "CURRENT PRIORITY POLICIES OF THE BULGARIAN NUCLEAR SOCIETY"
10:00 – 10:30	Roberto PASSALACQUA , <i>European Commission</i> , "NUCLEAR ENERGY: A SAFE, CLEAN AND RESPONSIBLE CONTRIBUTION TO THE ENERGY MIX"
10:30 – 11:00	Emil KICHEV , <i>Kozloduy NPP, Bulgaria</i> , "MAIN RESULTS OF THE PERIODIC SAFETY REVIEW FOR UNIT 5 AT KOZLODUY NPP"
11:00 – 11:30	<i>Coffee break</i>
11:30 – 12:00	Antonio BALLESTEROS and Miguel Peinador , <i>EC JRC, The Netherlands</i> , "EUROPEAN CLEARINGHOUSE ON OPERATING EXPERIENCE FEEDBACK"
12:00 – 12:30	Lyuben MARINOV , <i>NPP New Build, Bulgaria</i> , "ADVANTAGES AND CHALLENGES TO NEW NUCLEAR POWER IN BULGARIA"



12:30 – 13:00	Dobri KARADZHOV , <i>Bulgarian Nuclear Regulatory Agency</i> , “SAFETY OBJECTIVES IN NEW NUCLEAR POWER PLANT DESIGNS”
13:00 – 14:30	<i>Lunch, Paradiso Restaurant</i>
	Session: NUCLEAR REGULATION
	Chairs: Petya VRYASHKOVA (INRNE-BAS, BG) and Viktor KOLYKHANOV (Odessa NPU, UA)
14:30 – 14:50	Stilyana MLADENOVA , <i>NPP Kozloduy, Bulgaria</i> , “EFFECTIVE COMMUNICATIONS ABOUT NUCLEAR ENERGY”
14:50 – 15:20	Denitza DISKOVA , <i>SE RAW, Bulgaria</i> , “COMMISSIONING OF NEW TECHNOLOGIES AT KNPP SITE IN FAVOR OF DECOMMISSIONING AND RAW MANAGEMENT”
15:20 – 15:50	Kyung-woo CHOI , <i>Korea Institute of Nuclear Safety, Rep. of Korea</i> , “PREPARATION OF SAFETY REGULATION FOR DECOMMISSIONING OF NUCLEAR POWER PLANT IN KOREA”
15:50– 16:10	Rositza KAMENOVA-TOTZEVA , <i>A. Totsev, National Centre for Radiology and Radiation Protection</i> , “SOME ASPECTS RELATED TO THE TRANSPOSITION OF DIRECTIVE 51/2013 EURATOM IN RELATION TO PO-210 IN THE BULGARIAN LEGISLATION”
16:10– 16:30	Neli VASILEVA , <i>Bulgarian Nuclear Regulatory Agency</i> , “SYSTEMATIC APPROACH TO SAFETY”
16:30– 17:00	<i>Coffee break</i>
17:00 – 18:00	Session: POSTERS
	Chairs: Krassimira ILIEVA (BgNS, BG) and Albena GEORGIEVA (BNRA, BG) <i>Posters listed behind the Program will be presented. Preliminary request for short (3 min) presentation has to be done to the chairs.</i>



Wednesday, 12.09.2018	
Conference Room	
YOUNG GENERATION COMPETITION - ORAL	
	Chairs: Dobromir DIMITROV (INRNE-BAS, BG) and Antonio BALLESTEROS (JRC-EC, NL)
09:00 – 10:30	<i>15 min for presentation plus 3 min for questions</i>
10:30 – 10:40	<i>Voting</i>
10:40 – 11:00	<i>Coffee break</i>
	Session: TECHNOLOGIES AND NPP ISSUES
	Chairs: Kalin FILIPOV (Technical University of Sofia, BG) and Alexander YORDANOV (ENPRO consult, BG)
11:00 - 11:30	Zoltán HÓZER , <i>Hungarian Academy of Sciences Centre for Energy Research (MTA EK), “EXPERIMENTAL INVESTIGATION OF VVER CLADDING IN HIGH TEMPERATURE ACCIDENT CONDITIONS”</i>
11:30 - 12:00	Dimitar TONEV , <i>Institute for Nuclear Research and Nuclear Energy, Bulgarian Academy of Sciences, “INRNE-BAS - PRESENT ACTIVITIES IN NUCLEAR PHYSICS AND NUCLEAR ENERGY”</i>
12:00 – 12:30	Ivan KOJOUHAROV , <i>GSI, Germany, “APPLICATION ORIENTED HPGE DETECTOR SOLUTIONS”</i>
12:30 – 13:00	Vania SARAeva , <i>ENPRO consult, Bulgaria, “ATWS INADVERTENT WITHDRAW OF THE REGULATING CONTROL ROD GROUP DURING FULL-POWER OPERATION. ANALYSIS OF CONTAINMENT PHENOMENA, INCLUDING THERMAL-HYDRAULIC PROCESSES AND FISSION PRODUCTS BEHAVIOR”</i>
13:00 – 14:30	<i>Lunch, Paradiso Restaurant</i>
14:00 – 17:00	<i>Excursion to Nessebar Old Town</i>
20:00 – 24:00	Gala diner, Italian Restaurant Awarding the best YG presentations.



Thursday, 13.09.2018	
	Conference Room
	<i>Session: RADIATION DOSIMETRY AND RADIATION PROTECTION</i>
	Chairs: Rusiyan TZIBRANSKI (KNPP, BG) and David WINFIELD (Canada)
9:30 – 09:50	Daniel HRISTOV and Neli Ivanova, Kozloduy NPP, Bulgaria, “METROLOGY ASSURANCE OF RADSENTRY RADIATION MONITORING OF VEHICLES”
09:50 – 10:10	Hristo ANGELOV, Institute for Nuclear Research and Nuclear Energy, Bulgarian Academy of Sciences, “COMPLEX AIR MEASUREMENTS AT MUSALA HIGH-ALTITUDE STATION”
10:10 – 10:30	Alexander YORDANOV, ENPRO consult, Bulgaria, “RADIOLOGICAL ANALYSIS OF SPENT FUEL TRANSPORTATION CONTAINER”
10:30 - 11:00	<i>Coffee Break</i>
11:00- 11:20	Peter TRINDEV, GAMMACHECK LTD, Bulgaria, “TRANSLATION OF SPECIALIZED LITERATURE ON MEDICAL RADIOLOGICAL PHYSICS”
11:20 - 11:40	Aleksander MLADENOV, Institute for Nuclear Research and Nuclear Energy, Bulgarian Academy of Sciences, “METHODOLOGY FOR RADON CONCENTRATION MEASUREMENTS AT THE IRT-SOFIA RESEARCH REACTOR SITE”
11:50	M. Mitev - Closing of the conference



POSTERS

1. **Anton Caushevski¹, Sofija Nikolova-Poceva¹, Nikola Popov²** (¹ Faculty of Electrical Engineering – Sts Cyril and Methodius University in Skopje, ² McMaster University – Ontario, Canada), “CHALLENGES FOR INTRODUCING NUCLEAR ENERGY PROGRAM IN SMALL BEGGINER COUNTRY”
2. **Tzvetelina Beshirova**, Kozloduy NPP, Bulgaria, “MODERNIZATION OF THE TURBINE FOR INCREASING THE HEAT POWER OUTPUT OF THE REACTOR TO 104%”
3. **Atanasov D.Y., Batalov P.M., Lazarov G.L.**, Kozloduy NPP, Bulgaria, “PROCESS OF INVESTMENT DESIGN IN "NPP KOZLODUY" EAD”
4. **Bogomil Manchev and Boyka Nenkova**, GCR Ltd, Bulgaria, “QUALITY AND SAFETY ASSURANCE DURING IMPLEMENTATION OF NUCLEAR POWER PLANT PROJECTS: SURVEILLANCE AND INSPECTIONS”
5. **N. Zaharieva¹, P. Groudev¹, A. Chaushevski², N. Popov³** ¹ Institute for Nuclear Research and Nuclear Energy (INRNE), Bulgarian Academy of Sciences (BAS), Sofia, Bulgaria, ² Faculty of Electrical Engineering & IT, Ss. Cyril and Methodius University, Skopje, Macedonia, ³ McMaster University, Canada, “COMPARATIVE EVALUATION OF NUCLEAR AND NON-NUCLEAR ENERGY OPTIONS FOR SMALL COUNTRIES BASED ON THE IAEA INPRO KIND METHODOLOGY”
6. **V.N. Kolykhanov, I.L. Kozlov, K. Sova, D. Koba**, Odessa National Polytechnic University, Ukraine, “OPTIMIZATION OF THE MAINTENANCE PERIOD FOR WWER SAFETY SYSTEMS WITH TAKING IN ACCOUNT THE MAINTENANCE QUALITY”
7. **Dobromir Dimitrov, Mladen Mitev, Mariya Manolova**, Institute for Nuclear Research and Nuclear Energy, Bulgarian Academy of Sciences, “CORONA ACADEMY - A TRAINING CENTER FOR VVER COMPETENCE AND EXPERTISE”
8. **Anatoly Nikolaev Mitev**, Kozloduy NPP, Bulgaria, “DIAGNOSTIC SYSTEMS FOR VVER-1000”
9. **Georgi Vladov**, Kozloduy NPP, Bulgaria, “USE OF SAMPLES FOR ASSESSMENT OF RESIDUAL RESOURCE OF KOZLODUY NPP”
10. **N. Mihaylov, S. Boneva, M. Manolova, M. Mitev**, Institute for Nuclear Research and Nuclear Energy, Bulgarian Academy of Sciences, “TRANSURANUS CODE FUEL ROD BEHAVIOUR MODELLING AND SAFETY EVALUATION”
11. **M. Mitev, N. Mihaylov, S. Boneva, M. Manolova**, Institute for Nuclear Research and Nuclear Energy, Bulgarian Academy of Sciences, “TRANSURANUS CAPABILITIES FOR UNCERTAINTY ANALYSES OF FUEL PERFORMANCE”
12. **Krasen Rashkov**, Kozloduy NPP, Bulgaria, “DEC (DESIGN EXTENSION CONDITIONS) ANALYSES IN KOZLODUY NPP”



YG COMPETITION COMMISSION

Ljudmil Tzankov, Associate Professor Dr., Sofia University "St. Kliment Ohridski"
Kalin Philipov, Associate Professor Dr., Technical University of Sofia
**Pavlin Grudev, Associate Professor, Dr., 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.

ORAL PRESENTATIONS FOR THE YOUNG GENERATION COMPETITION

- 1. Boris KUZMANOV, Barcelona School of Industrial Engineering, Polytechnic University of Catalonia, Spain, "MODELING AND ANALYSIS OF PORTABLE DIESEL-PUMP MITIGATION STRATEGY IMPLEMENTED AS A POST-FUKUSHIMA SAFETY MEASURE"**
- 2. Allen ROSS, University of Birmingham, UK, "IMPLEMENTATION HAND-HELD IN-SITU XRF TO OPTIMISE THE DECOMMISSIONING PROCESS"**
- 3. Lyubomir KANDOV, Kozloduy NPP, Bulgaria, "RISK MONITORING IN KOZLODUY NPP"**
- 4. Simona MITEVA, Technical University of Sofia, Bulgaria, "RADIOACTIVE WASTE AND SPENT NUCLEAR FUEL, CLASSIFICATION AND STORAGE"**
- 5. Anguel DEMERDJIEV, Institute for Nuclear Research and Nuclear Energy (INRNE), Bulgarian Academy of Sciences, "NUMERICAL OPTIMIZATION OF RADIATION SHIELDING OF TARGETS USED FOR PRODUCTION OF ¹⁸F (PRELIMINARY RESULTS)"**