14-17 October 2026

STRIMON GARDEN medical spa hotel, Kyustendil, Bulgaria

PROGRAMME

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

Wednesday, 14. 10.2026	
16:00 - 18:00	***Registration,*** *Entrance Hall*
19:30 - 22:30	***Welcome Dinner –Hotel Restaurant***
Thursday, 15.10.2026	
08:00 - 09:00	*Registration, In front of the* ***STRIMON GARDEN*** *Conference Room*
	Conference Room
09:20 - 09:30	**Mladen MITEV,** *BgNS president, Opening the Conference*
Session: NEWS AND NPP ISSUES	
Chairs**: Pavlin GRUDEV** (*INRNE-BAS*) and **Veneta VALCHEVA** (Kozloduy NPP)	
09:30 - 09:50	**Borislav BOEV**, World Energy Council, Bulgaria, ''*Electricity Markets in Southeastern Europe - Key Challenges''*
09:50 - 10:10	**Greta GEORGIEVA,** Worley Nuclear Services JSC, Sofia, Bulgaria**,** *''Small Modular Reactors Technologies Overview''*
10:10 - 10:30	**Iskren TZVETKOV,** Kozloduy NPP EAD, *''Digital Transformation of Knowledge Management and Mentoring at Kozloduy NPP''*
10:30 - 10:50	**Emil KICHEV,** Bulgaria, ''*Two AP1000 Nuclear Units in Bulgaria: How Large and Diverse Must the Workforce Be and When Will It Be Needed?''*
10:50 - 11:10	**Anelia ILIEVA**, Kozloduy NPP EAD, *''NUCLEAR REACTORS, TECHNICAL AND ECONOMIC EFFICIENCY''*
11:10 - 11:30	**Srebrin Kolev,** Kozloduy NPP EAD, *''Practical and User Experience from Utilising the Beacon Core Monitoring System and the APA H Code Package at Kozloduy NPP Units 5 and 6''*
11:30 - 11:50	*Lunch Break, Hotel Restaurant* *Take your packed lunch for the road*
12:00 - 16:00	*Excursion or Free time*

16:00 - 16:30	*Coffee break*
SESSION: APLICATION, RADIATION AND ENVIROMENT	
Chairs: **Petya VRYASHKOVA** (INRNE-BAS, BG) and **Luben MANEV** (Nuclear Regulatory Agency, BG)	
16:30-16:50	**Nely IVANOVA**, Kozloduy NPP EAD, *''METROLOGICAL ASSURANCE AT KOZLODUY NPP EAD –A GUARANTEE OF QUALITY AND SAFETY''*
16:50-17:10	**Filip FILIPOV**, Kozloduy NPP EAD, *''DATA STORAGE AND GENERATION OF REPORTING DOCUMENTS FROM METROLOGICAL VERIFICATION OF ELECTRICAL QUANTITY MEASURING CHANNELS OF THE ''OVATION'' SYSTEM WITH MS ACCESS DATABASE''*
17:10-17:30	**Borislava GLADKOVA,** Kozloduy NPP EAD *"ASSESSMENT OF THE TEMPERATURE IMPACT OF THE KOZLODUY NPP ON THE DANUBE RIVER''*
17:30-17:50	**D. DIMITROVA, D. Tonev, Zv. Nonova, B. Slavchev, Z. Zahariev, S. Krastevski,** Institute for Nuclear Research and Nuclear Energy, *''DETERMINATION OF GROSS ALPHA AND BETA RADIOACTIVITY IN DRINKING WATERS FROM BULGARIA''*
17:50- 18:10	**Rositca PEYCHEVA,** DIAL Ltd, *''Determination of total indicative dose in drinking water in Bulgaria''*
19:00 - 21:00	Dinner –Hotel Restaurant

Friday, 16.10.2026	
Conference room	
YOUNG GENERATION COMPETITION	
Chairs*:* **Lyuben DOBREV (**Kozloduy NPP) and **Srgjan KRSTEVSKI** *(INRNE-BAS)*	
9:30 – 10:30	***Oral presentation*** ***For presentation - 15 min*** 1. **Hasan MEHMED,** DIAL Ltd, *''Assessment of Radiological Parameters in Environmental samples: Results of CSRL –DIAL Ltd. from the IAEA-TERC-2025 Interlaboratory Comparison''* 2. **Adrian BELICHENOV**, Sofia University "St. Kliment Ohridski", Sofia, BUGARIA, *''Stationary Model of Ammonia Speciation and Dissolved Hydrogen in VVER Primary Coolant''* 3. **Todor DOBREV, 10 class, 9FEG "Alphonse de Lamartine",** *''90 Sr/ 90 Y BETA VOLTAIC CELL – A FUTURE ALTERNATIVE FOR THE RECYCLIN OF SPENT NUCLEAR FUEL''* 4. **Milen DOBREV,** Technical university of Sofia, *''Modeling the thermomechanical behavior of VVER-1000 reactor fuel''*
10:30 – 10:35	*Voting for oral presentation*
10:35 – 10:50	**Posters presentation** ***Request for a short (3 min) presentation*** 1. **Desislava TONCHEVA, Stefan NIKOLOV**, Faculty of Physics, Sofia University "St. Kliment Ohridski", ''*Boric acid concentration analysis based on reactivity in VVER-1000 type reactors during the approach to the minimum controllable power level''* 2. **Stoyan DOINOV,** Kozloduy NPP, *''Early Warning System for Exhausted Anion Filter''* *Voting for poster presentation*
10:50-11:00	**Neli DOBRIYANOVA[1] and Iliyan NENCHEV[2],** Faculty of Chemistry and Pharmacy SU ''St. Kliment Ohridski''[1], Technical university of Sofia[2], *''EUROPEAN NUCLEAR YOUNG GENERATION FORUM 2027''*
11:00 – 11:20	**COMMON PICTURE in front of the hotel entrance and Coffee break**

SESSION: NPP ISSUES	
Chairs: **Ludmil NEDELCHEV** (Kozloduy NPP**) and Victor KOLYKHANOV** (Odessa Polytechnic National University)	
11:20 – 11:40	**Hilmi KUSHEV**, Sofia University "St. Kliment Ohridski", *''Presentation of a new Monte Carlo simulator, as well as the possibilities for its use to analyze data and automate experiments with AI''*
11:40 – 12:00	**Plamen PETKOV**, , Sofia University "St. Kliment Ohridski", *"Evaluation of DASSH thermal hydraulic code to analyze light water reactors core heat removal"*
12:00 – 12:50	**Session POSTERS out of Young Generation Competition**
Chairs: **Edmon DOGRAMADJIAN** (Worley Nuclear Services) and **Krassimira ILIEVA** (BgNS)	

Three minutes presentation is desirable/possible

1. **Boyka NENKOVA[1]**, **Petar MANCHEV[1]**, **Edmon DOGRAMADJIAN[2]**, GCR Ltd[1], Worley Nuclear Services JSC[2], Bulgaria*, ''Risk-Based Quality Surveillance and Inspection in Nuclear Equipment Manufacturing: Ensuring Safety, Compliance, and Reliability''*
2. **Victor KOLYKHANOV**, Odesa Polytechnic National University*, "Neutron diffusion from a point source placed asymmetrically to the boundaries"*
3. **Igor KOZLOV**, Odesa Polytechnic National University, ,''*Nuclear education and science NURECAB Odessa Polytechnic National University Department of Nuclear Power Plants''*
4. **Lyudmil NEDELCHEV**, Kozloduy NPP EAD, *''OPERATION BEYOND 60 YEARS LONG-TERM OPERATION (LTO) FOR UNITS 5 AND 6 OF KOZLODUY NPP EAD''*
5. **Mitko MILYOVSKI**, **Rusiyan TSIBRANSKI**, Kozloduy NPP EAD, ''*CONTRIBUTION OF 14 C AND 3 H IN THE DOSE BURDEN FROM GASEOUS AEROSOL EMISSIONS DUE TO KOZLODUY NPP OPERATION''*
6. **Veneta VALCHEVA**, Kozloduy NPP EAD, *"Управление на бизнес процесите в „АЕЦ Козлодуй" ЕАД със софтуерен продукт ARIS"*
7. **Deyan ATANASOV**, Kozloduy NPP EAD, ''The Realization of the investment program – a guarantee for the NPP KOZLODUY'S future''
8. **Lyuben DOBREV**, Kozloduy NPP EAD, *''Analytical procedure for determination of activation products 55Fe and 63Ni in water samples from wet storage pools''*
9. **Antoaneta STEFANOVA, Pavlin GROUDEV,** Institute for Nuclear research and nuclear energy, *''Assessment of the capabilities of hydro-accumulators for long-term core cooling in case of SBO''*

13:00 – 14:00	*Lunch Break, Hotel Restaurant*

Session: HUMAN RESOURCES IN NUCLEAR *For teachers and high school students.* *The presence of conference participants is possible* In Bulgarian only	
Chairs: **Kalin FILIPOV** (TU-Sofia, BG) and **Nevena VELICHKOVA,** Kozloduy NPP	
14:00 – 14:15	Представяне на учители и училища
14:15– 14:30	**Невена ВЕЛИЧКОВА,** Козлодуй ЕАД, ‘‘Планиране на потребностите от персонал в „АЕЦ Козлодуй“
14:30 – 14:45	**Борислав БОЕВ,** НКБСЕС, *‘‘Кадрово осигуряване в ядрената енергетика – състояние и перспективи‘‘*
14:45 - 15:00	**Пламен ПЕТКОВ,** СУ „Св. Климент Охридски“, България, *„Ядрено обучение в СУ – преглед“*
15:00 - 15:15	**Деница ЗГУРЕВА-ФИЛИПОВА,** ТУ- София, „*Какво се учи в ТУ за ядрената енергетика“*
15:15 - 15:30	**Дискусия**

15:30 – 16:00	***Coffee break***
NATIONAL SEMINAR ***to consider aspects of the development and implementation of modern pedagogical tools in higher and secondary education***	
Chairs: **Iskren TZVETKOV** (Kozloduy NPP) and **Mladen MITEV** (INRNE-BAS)….	
16:00 – 16:30	**Prof. Phongphaeth PENGVANICH**, Chulalongkorn University, Thailand *''Thailand's Nuclear Energy Transition, Small Modular Reactor (SMR) Roadmaps, Capacity Building, and Regional Integration via ANENT and INSTA''*
16:30 - 16:45	**Petar MIHAYLOV** and **Mladen MITEV**, Institute for Nuclear research and Nuclear energy, *"Artificial Intelligence Testing and Assessment in Nuclear Energy-Related Subjects"*
16:45 – 17:15	**Prof. Phongphaeth PENGVANICH**, Chulalongkorn University, Thailand, ''*Empowering Next-Generation and Good Practices for Youth Engagement in Nuclear Science and STEM''*
17:15 – 17:30	**Mladen MITEV**, Technical University of Sofia, ''*National Program D01-99: Qualification improvement in the field of nuclear technologies and nuclear engineering''*
17:30 – 18:00	**ROUND TABLE,** *"Current Challenges to the Development of the Nuclear Sector in Bulgaria",* **Moderator: Mladen MITEV, BgNS**
19:30 – 23:30	***Gala dinner*** ***Awarding the best YG presentations***

YG COMPETITION COMMISSION

Pavlin GROUDEV, Professor Dr .Sci., Head of Nuclear energy and nuclear safety, Nuclear Institute for Nuclear Research and Nuclear Energy of Bulgarian Academy of Sciences

Kalin PHILIPOV, Associate Professor Dr., Head of Department of Thermal Power Engineering and Nuclear Power Engineering, Technical University of Sofia -Chairman

Ludmil TZANKOV, Associate Professor Dr.

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.