**VVER 2013 - Experience and Perspectives after Fukushima**

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| **Sunday, November 10, 2013** | |
| 18.00 – 20.00 | **Registration** |
| 19.00 – 21.00 | **Welcome Cocktail** |
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| **Monday, November 11, 2013** | |
| 08.00 | **Registration** |
| 09.00 | **Opening Ceremony, Welcome Address** |
| * **BURKET Daneš**, President, CNS (Czech Nuclear Society) * **KŘÍŽEK Karel**, CEO, ÚJV Řež, a. s. * **ŠTĚPÁNEK Ladislav**, Division Production Chief Officer and Mem. of the Board of Directors, ČEZ, a. s. | |
| **Nuclear Power Development Strategies** Chairperson: **BURKET Daneš**, President, CNS (Czech Nuclear Society) | |
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| **09.30** | **TOMÍČEK Leoš**, Vicepresident, Rusatom Overseas VVER expansion projects: Ongoing tenders, supply chains. Long-term strategy for the development of nuclear power in the Russian Federation |
| **10.10** | **GEBAUER Pavel,** Ministry of Industry and Trade CR Czech Republic Energetic Strategy and Nuclear Power |
| **10.30 – 11.00** | **Coffee Break** |
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| **Safety, Licensing and Regulatory Aspects of VVERs** Chairperson: **LAAKSONEN Jukka**, Vice-President, JSC Rusatom Overseas | |
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| **11.00** | **BRANDEJS Petr**, Vice-President, State Office for Nuclear Safety (SÚJB) EC Stress Tests Conclusions and Follow up Regulatory Activities |
| **11.20** | **TKÁČ Miroslav**, Nuclear Regulatory Authority of the Slovak Republic,  General safety requirements applied for Mochovce 3, 4 |
| **11.40** | **ANDĚL Jan**, ÚJV Řež, a. s. ENERGOPROJEKT PRAHA  Design implementation of stress-test measures on Czech and Slovak NPPs |
| **12.00** | **BÍCA Martin**, ČEZ, a. s. Technical measures resulting from the stress tests at the Temelín NPP |
| **12.20** | **DUSPIVA Jiří**, ÚJV Řež, a. s. MELCOR Calculation for Support of Test on Accident Management Strategy on Debris Bed Reflooding |
| **12.40** | **DUTHOU Arnaud**, Rolls-Royce Addressing I&C Post-Fukushima requirements: from regulatory requirements analysis to systems design and hardened instrumentation |
| **13.00 – 14.10** | **Lunch** |
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| Chairperson: **KAWALEC Miroslav**, Vicepresident, CNS (Czech Nuclear Society) | |
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| **14.10** | **CHERNIGOV Oleg**, ROSENERGOATOM Implementation of safety enhancing measures at Russian NPPs based on the results of stress tests |
| **14.30** | **ILJINSKIJ Konstantin**, SPbAEP (ОАО "ГИ "ВНИПИЭТ" "СПбАЭП") Stress tests of the AES-2006 project |
| **14.50** | **LAAKSONEN Jukka**, Vice-President, JSC Rusatom Overseas Possibilities for regulatory co-operation in licensing new VVER type plants |
| **15.10** | **LUKYANENKO Andriy**, WANO Moscow center Possibilities offered by WANO Moscow center in supporting emergency management at VVER type plants |
| **15.30** | **POLYAKOV Oleksiy**, International Atomic Energy Agency (IAEA) LTO – IAEA Safety Standards, SALTO peer review service, results of SALTO missions at VVER plants |
| **15.50 – 16.10** | **Coffee Break** |
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| **16.10** | **CHERNIGOV Oleg**, ROSENERGOATOM Changes in accident management plans for Russian NPPs after Fukushima |
| **16.30** | **ŽĎÁREK Jiří**, ÚJV Řež, a. s.  Temperature and Radiation Effect on the RPV Concrete Cavity |
| **Experience with NPPs with VVER Reactors** | |  |
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| **16.50** | **BRUMOVSKÝ Milan**, ÚJV Řež, a. s. Use of Surveillance Data in RPV Integrity Assessment |  |
| **17.05** | **MOLNÁR Jozef**, ÚJV Řež, a. s. The SCORPIO-VVER Core monitoring and Surveillance System with Enhanced Capabilities |  |
| **17.20** | **ŠTVÁN František**, ÚJV Řež, a. s. Evaluation of Operating Experience with Use of PSA |  |
| **17.35** | **TANZER Michal**, ŠKODA JS a. s., NPP Engineering Verification of the KNI-LM Assembly Funcionality for the Reactor Coolant Level Monitoring System |  |
| **17.50** | **RUDOLF Antonín**, ŠKODA JS a. s. Equipment for the disposal of neutron flux sensors and thermocouples for VVER 440 and VVER 1000 |  |
| **18.05** | **JAŇOUR Jan**, ZAT, a. s. The "Sandra Z100" in position evaluation system for control rods in VVER 1000 |  |
| **18.20** | **End of Day One** |  |
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| **19.30 – 24.00** | **Networking Dinner** |  |
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| **Tuesday, November 12, 2013** | |  |
| 08.30 | Registration |  |
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| **Experience with NPPs with VVER Reactors, Parallel Section I.** Chairperson: **HEZOUČKÝ František**, WorleyParsons | |  |
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| **09.00** | **CSERHÁTI András**, MVM Paks NPP Past, present and future of the Paks NPP in Hungary |  |
| **09.20** | **TUOMISTO Harri**, Fortum Power Upgrading and Operational Experience at the Loviisa NPP |  |
| **09.50** | **KRASTEV** **Emil Borissov**, Kozloduy NPP The Development of House Load Power Supply of Kozloduy NPP Before and After Fukushima |  |
| **10.10** | **BÍCA Martin**, ČEZ, a. s. Temelín power up-rate |  |
| **10.30 – 10.45** | **Coffee Break** |  |
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| **10.45** | **MACEK Jiří**, ÚJV Řež, a. s. Safety Analyses for Power Uprate of VVER 1000/320 Use of best estimate methods in licensing of VVER reactors |  |
| **11.05** | **MATAL Oldřich**, ENERGOVÝZKUM Diagnostic Systems of VVER Primary Circuit Components |  |
| **11.25** | **CHERNIGOV Oleg**, ROSENERGOATOM Increasing power in nuclear power plants operating in the Russian Federation |  |
| **11.45** | **KAZDA Michal**, ENVINET a. s. Radioactive waste free release measurement experience |  |
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| **12.00 – 13.10** | **Lunch** |  |
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| **Plenary Section** | |  |
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| **Modern methods of projects, construction and commissioning control** | |  |
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| **13.10** | **KOVTUNOV Anatolij**, OAO «NIAEP» Multi-D technology as an effective tool for NPP's design and construction management |  |
| **13.30** | **ZDEBOR Roman**, ŠKODA JS a. s. Implementation of Configuration Management Information System (CMIS) in ŠKODA JS a. s. |  |
| **13.50** | **FRÉLICH Jan, BLÁHA Martin**, TES s. r. o. Activities of TES s.r.o. in frame of Temelín NPP power up-rating project preparation |  |
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| **Modernization of the secondary part** | |  |
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| **14.10** | **TSVETKOV Alexander**, Alstom-Atomenergomash Arabell-turbine for Temelin NPP 3, 4, scheme of the 2nd circle, technological equipment, characteristics, reference |  |
| **14.30** | **KAPIC Miroslav**, Doosan Škoda Power Compact Turbogenerators for Saturated Steam Application on Large Pressurized Water Reactors |  |
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| **Beyond design basis accident** | |  |
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| **14.50** | **ŽĎÁREK Jiří**, ÚJV Řež, a. s. The IVR Strategy for VVER 1000 type 320 |  |
| **15.10** | **WISNIEWSKI Susanne**, Project Director - VVER Countries, AREVA GmbH  Application of the Filtered Containment Venting System for different types of reactors |  |
| **15.30** | **KÖNIG Wolfgang**, Program Director Accident Monitoring Systems, AREVA GmbH SAFIMon – Monitoring system for severe accidents at nuclear power stations |  |
| **15.50** | **SASSEN Felix**, Westinghouse Electric Germany Application of the Dry Filter Method for containment filtered venting |  |
| **16.10** | **STREJC Martin**, ÚJV Řež, a. s. Support of nuclear safety by modeling and study of hypothetical severe accidents of VVER nuclear |  |
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| **National and International R&D program** Chairperson: **JOHN Aleš** | |  |
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| **16.30** | **TOŠINSKIJ Georgij**, **JOHN Aleš** and ÚJV Řež Renovation of the NPP Dukovany. Technical opportunity and economical expediency |  |
| **16.50** | **LACIOK Aleš**, ČEZ, a. s. Nuclear energy research and development: Perspective of the company, the CR and the EU |  |
| **17.10** | **PAVLIS David**, ŠKODA JS, a. s. ŠKODA JS and cooperation with Czech Universities |  |
| **17.30 – 17.50** | **Closing Ceremony** |  |
| * **BURKET Daneš**, President, CNS (Czech Nuclear Society) * **KŘÍŽEK Karel**, CEO, ÚJV Řež, a. s. | |  |
| **Tuesday, November 12, 2013, Parallel Section II.** | |  |
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| **FUEL CYCLE ISSUES,** Chairperson: **BĚLÁČ Josef**, ALVEL, a. s | |  |
| **09.00** | **BĚLÁČ Josef**, ALVEL, a. s. Conclusions of the "Fuel Conference" (Bulgaria) |  |
| **09.30** | **UGRYUMOV Alexander**, JSC «TVEL» Nuclear fuel for NPP: Current and Main Fields of the Development |  |
| **10.00** | **MALÁ Martina**, Centrum výzkumu Řež, s.r.o. (Research Centre Rez) Post-irradiation inspections on TVSA-T fuel assemblies at Temelín NPP |  |
| **10.30 – 10.45** | **Coffee Break** |  |
| **10.45** | **ERNST Daniel**, ČEZ, a. s., NPP Temelín Temelin Fuel Operational Experience |  |
| **11.10** | **BEZUMOV V.N.**, JSC «VNIINM» Design issues of fuel rod cladding made of composite material based on carborund (SiC) for concept of water cooled reactors safety under accident |  |
| **11.35** | **MEČÍŘ Václav**, ČEZ, a. s. Zero defect level in VVER-1000 |  |
| **12.00 – 13.10** | **Lunch** |  |
| **continues Plenary Section** | |  |
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| **Poster Section** **MAZZINI Guido**, Centrum výzkumu Řež, s.r.o. (Research Centre Rez)  *Practical acquiring of the PARCS code  for 3D analyses of neutronic behavior of VVER1000/V320* **LOVECKÝ M.**, University of West Bohemia *Comparison of Burnable Absorber Elements for VVER Nuclear Fuel* **FARKAS Gabriel**, Slovak University of Technology *Calculation of thermal reactivity coefficients for NPP Mochovce 3, 4 start-up conditions by MCNP5* **JIŘIČKOVÁ Jana**, University of West Bohemia  *Research of Advanced Nuclear Technologies in CANUT*  **SYSEL Martin, ŠKODA Radek, VESELÝ Ladislav**  *Neutron Camera Tests*  **ŠTĚPÁNEK Jan, ŽELEZNÝ Václav, ZAHRÁDKA Tomáš**  *CFD study of the spacer grids and mixing vanes effect on the flow in the experimental fuel assembly with VVER-1000 geometry*  **BURIAN Ondřej, ZÁCHA Pavel**  *Validation of CFD model of spent fuel pool at NPP Temelin*  **ROMSY Tomáš, ŽELEZNÝ Václav**  *Coolant Mixing in the VVER-440 Fuel Assembly Head*  **BENEŠOVÁ Barbora, ŠKAROHLÍD Jan, ŠKODA Radek**  *Polycrystalline diamond as protection of nuclear fuel cladding against high temperature oxidation*  **PREHRADNÝ Jan, LOVECKÝ Martin, PITERKA Luboš, ŠKODA Radek**  *Burnable Absorbers for Advanced Nuclear Fuels* | |  |
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