

14<sup>th</sup> CONFERENCE WITH INTERNATIONAL PARTICIPATION ON  
**POWER SYSTEM ENGINEERING, THERMODYNAMICS & FLUID FLOW  
ES 2015**

11. - 12. 6. 2015, Pilsen - Czech Republic

## **Program – June 11, 2015**

**08:20 - 08:40 OPENING CEREMONY**

**08:40 - 09:00 SOUHRN POZNATKŮ Z EXPERIMENTÁLNÍHO VÝZKUMU STUPŇŮ  
S ROZDÍLNÝMI TVAROVÝMI ÚPRAVAMI LOPATEK**  
HOZNEDL Michal, TAJČ Ladislav, MRÓZEK Lukáš

**09:00 - 09:20 OFF DESIGN INCIDENCE LOSS PREDICTION FOR STEAM TURBINES**  
CHEON Junhong, MILČÁK Petr, ŠŤASTNÝ Miloslav,  
PACÁK Aleš, KANG Chungro, HWANG Jaemook

**09:20 - 09:40 THE OPTIMIZATION POSSIBILITIES OF THE BALANCING SLOTS OF A  
STEAM TURBINE WITH THE DRUM ROTOR ARRANGEMENT**  
YUN Kukchol, KOLOVRATNÍK Michal, TAJČ Ladislav

**09:40 - 10:00 EXPERIMENTÁLNÍ OVĚŘENÍ VLASTNOSTÍ PROUDĚNÍ V LOPATKOVÉ  
KASKÁDĚ STŘEDORYCHLOSTNÍHO TUNELU A POTVRZENÍ VÝSLED-  
KŮ POMOCÍ CFD**  
FENDERL David

**10:00 - 10:20 COFFEE BREAK**

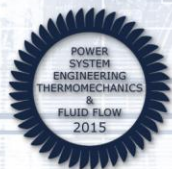
**10:20 - 10:40 SOME RESULTS OF UNSTEADY NUMERICAL SIMULATIONS OF THE  
VISCID FLUID FLOW WITHIN A WASTE-WATER AERATION BLOWER**  
KABALYK Kirill

**10:40 - 11:00 THE NUMERICAL ANALYSIS OF AEROELASTIC BEHAVIOUR OF  
TURBINE LAST STAGE ROTOR BLADES UNDER NON-UNIFORM  
BACKPRESSURE**  
GNESIN Vitaly

**11:00 - 11:20 3D CFD COMPUTATION OF THE FLOW IN THE AXIAL EXHAUST BO-  
DY ŠKODA; COMPARISON OF A MODEL AND A REAL TURBINE**  
MRÓZEK Lukáš, HOZNEDL Michal

**11:20 - 11:40 ISSUE OF SHOCK COMPRESSION AND EXPANSION BY DISPLACE-  
MENT COMPRESSORS**  
ŠMÍDA Zdeněk, KOLARČÍK Kamil

**12:00 - 13:00 LUNCH**



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**13:20 - 13:40 THE COMPETENCE CENTER FOR COMBINED HEAT AND  
POWER SYSTEMS AT UNIVERSITY AMBERG-WEIDEN**

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WEIß ANDREAS P.

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**13:40 - 14:00 GRID TURBULENCE AND ENERGY DISSIPATION RATE**

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URUBA Václav

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**14:00 - 14:20 PROBING IN HIGH-POWER TURBINES**

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SEDLÁK Kamil

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**14:20 - 14:40 AERODYNAMIC FILTERS AS MEANS FOR REDUCING  
NON-UNIFORMITY OF VELOCITY FIELDS AND STABILIZING  
WORKING FLUID FLOW IN CHANNELS**

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ZARJANKIN Arkadij, KOCHEROVA Anna, ROGALEV An-  
drej, GARANIN Ivan

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**14:40 - 15:00 VÝZKUM A VÝVOJ OHŘÍVÁKU PAROVZDUCHOVÉ SMĚSI PRO DE-  
CENTRALIZOVANÝ KOGENERAČNÍ/TRIGENERAČNÍ ENERGETICKÝ  
ZDROJ S MOŽNOSTÍ AKUMULACE ELEKTŘINY**

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KONVIČKA Jaroslav, VILIMEC Ladislav, MILČÁK Pavel,  
JASENSKÁ Markéta

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**15:00 - 15:20 COFFEE BREAK**

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**15:20 - 15:40 THE TESTING OF A EPROXY PROTECTIVE LAYER FOR A CAVITATION  
MEASUREMENTS**

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HUJER Jan

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**15:40 - 16:00 HEAT TRANSFER DURING STEAM CONDENSATION IN THE MULTI-  
EFFECT EVAPORATORS**

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SEREDA Volodymyr

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**16:00 - 16:20 OPEN INTERACTIVE ALGORITHMS FOR THERMOPHYSICAL CALCU-  
LATIONS OF HEAT PUMPS**

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VOLOSHCHUK Volodya

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**16:20 - 16:40 DIAGNOSTIKA SPALOVACÍCH TURBÍN NA ZÁKLADĚ ZMENY TER-  
MODYNAMICKÝCH PARAMETROV**

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KLIMKO Marek

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**16:40 - 17:00 ON SPEED OF SOUND IN STEAM NEAR THE SATURATION LINE**

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NOVÝ Adam, ŠAFAŘÍK Pavel, JÍCHA David, HAJŠMAN Miroslav

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**19:00 SOCIAL EVENT – MEETING AND RELAX**

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Pilsen Beer Spa & Wellness Hotel – Purkmistr

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