

Interklima 2017. Zagrebački velesajam/Zagreb fair
Dvorana/Hall "Brijuni"
četvrtak, 06. travnja 2017./ Thursday, April 6th 2017

Raspored predavanja/Symposium schedule

8:30 – 9:00 Registracija učesnika / Registration of participants
9:00 – 9:10 Pozdravi i uvodna riječ / Greetings and introductory words

Plenarno predavanje / Plenary lecture

09:10-09:30 Prof.em. Dr. Dr.h.c. Ladislaus Rybach, Institute of Geophysics ETHZ, Zurich:
Quantifying climatic and man-made heat supply to shallow geothermal resources

Dan Frana Bošnjakovića / Fran Bošnjaković Day

09:30-09:45 Tomislav Kurevija, Kristina Strpić:
Hydraulic and thermogeological design differences between two-loop vertical and inclined coaxial borehole heat exchangers

09:45-10:00 Martina Rauch, Nenad Ferdelji, Saša Mudrinić:
Local entropy production of the parallel flow and counterflow heat exchanger

10:00-10:15 Mario Holik, Marija Živić, Zdravko Virag, Antun Barac:
Comparison of finned tube and plate-finned heat exchangers in waste heat recovery

10:15-10:30 Danijel Zadravec, Nenad Ferdelji:
Air dehumidification in shell and tube heat exchanger

10:30-10:45 Šefik Behrem, Bahrudin Hrnjica:
Estimate of heat transfer coefficient during quenching steel in water

10:45-11:00 Željko Penga, Ivan Pivac, Ivan Tolj, Frano Barbir:
Tracking the process at PEM fuel cell cathode in h-x diagram

11:00-11:15 Martin Briel, Jurij Avsec:
Economic analysis of conventional thermal power plant revitalization with solar CRS and cleaning FGD installation

11:15-11:30 Marko Pirc, Jurij Avsec, Nataša Čelan Korošin, Urška Lavrenčić Štangar, Romana Cerc Korošec:
Development of Laboratory testing criteria for determination of Cable remaining life in nuclear power plant using Differential Scanning Calorimetry (DSC)

11:30-11:45 Stanka uz kavu i napitke / Coffee break

- 11:45-12:00 Nikola Bilandžija, Neven Voća, Josip Leto, Vanja Jurišić, Matea Grubor, Ana Matin, Anja Geršić, Tajana Krička:
Yield and biomass composition of Miscanthus x giganteus in Croatian mountain region – influenced by different harvest season and fertilizer treatment
- 12:00-12:15 Ivan Horvat, Damir Dović:
New design solutions for domestic biomass-fuel heating appliances
- 12:15-12:30 Bojan Ribić, Neven Voća, Branka Ilakovac, Tomislav Pukšec:
Potential of biomethane production in the City of Zagreb based on the citizens participation as a part of integrated biowaste management
- 12:30-12:45 Nikolina Pivac, Sandro Nižetić:
Thermal comfort in office buildings: General issues and challenges
- 12:45-13:00 Jura Tomorad, Ivan Horvat, Damir Dović:
Analysis of the room air and wall temperature distribution using the new type of wall-mounted convector
- 13:00-13:15 Željko Špiljar, Miodrag Drakulić, Daniel Rolph Schneider:
Numerical modelling of jet fan ventilation system installed in an underground car park with partition walls
- 13:15-13:30 Alen Cukrov, Željko Tuković, Bojan Ničeno, Ivanka Boras, Antun Galović:
On Mixture Model Application in Numerical Modeling of Boiling Phenomena
- 13:30-13:45 Robert Bedoić, Veljko Filipan:
The analysis of heat transfer in a compression heat pump working with different zeotropic and azeotropic mixtures
- 13:45-14:00 Luka Boban, Vladimir Soldo, Jure Stošić, Eugen Filipović, Filip Tremac:
The influence of injected heat flux on thermal response test
- 14:00-14:15 Stanka uz kavu i napitke / Coffee break

Centralni toplinski sustavi / District heating systems

- 14:15-14:30 Miika Kilgast:
Solar District Heating – Technology and Market Overview
- 14:30-14:45 Danica Maljkovic, Igor Balen, Bojana Dalbelo Basic:
Modelling the impact of installation of heat cost allocators in DH systems using machine learning
- 14:45-15:00 Ivica Mihaljević:
The Model for Monitoring the Efficiency of the Process of Distribution of Heat Energy by Using Lean Principles
- 15:00-15:15 Slobodan Kolbah, Mladen Škrlec:
Quantification of indicated geothermal energy resources in Croatia
- 15:15-15:30 Tomislav Novosel, Tomislav Pukšec, Neven Duić:
Heat demand mapping in the context of energy planning – case study for Velika Gorica
- 15:30-15:45 Matija Pavičević, Tomislav Novosel, Tomislav Pukšec, Neven Duić:
Sizing and scheduling of district heating systems considering building refurbishment – Case study for the neighbourhood of Trnsko
- 15:45-17:00 Domjenak / Banquet