

PROGRAM

6th INTERNATIONAL CONFERENCE ON THERMAL EQUIPMENT, RENEWABLE ENERGY AND RURAL DEVELOPMENT

08 - 10 June 2017

Mistral Resort – Moieciu de Sus

Thursday 08 June

15:00 - 16:00: Registration of participants

16:00 - 16:30: Opening ceremony

PLENARY SESSION

Main Hall

Thursday 08 June 16:30 - 18:30

- 1. Instability in operation of a solar powered H₂O-LiBr absorption cooling system**
I.Șoriga, A. Gheorghian, C. Stanciu, D. Stanciu, B. E. Tănase
- 2. Integration of biomass resources into existent district heating system**
I. V. Ion, F. Popescu, E. Dimofte
- 3. The assessment of environmental impact due to the traffic in Bucharest**
I.A. Istrate, D.M. Cocârță
- 4. Researches on the influence of biomass recipes on the pelletizing process**
I. Găgeanu, Gh. Voicu, M. Dincă, V. Vlăduț, M. Matache, I. Voicea, D.L. Rădulescu, I. Caba

18:30 - 20:00

Welcome Cocktail

SECTION 1: THERMAL EQUIPMENT AND RENEWABLE ENERGY

Hall 1

Friday 09 June 9:30 – 11:00

Chairmen: Iliya Iliev, Gh. Lăzăroiu

- 1. Thermal analysis of light weight wall made from sandwich panels in the aspect of thermal insulation design for sustainable built environment**
D. M. Hachim, Q. A. Abed
- 2. Analysis of flame aerodynamics for burning tests of animal fat mixed with liquid hydrocarbons**
Gh. Lăzăroiu, L.Mihăescu, I. Pîșă, G. Negreanu, E. Pop, V. Berbece, A.Bondrea
- 3. Micro CHP – chance of low emissions restrictions**
J. Duda, K. Jesionek
- 4. Impellers shape influence on the heat induced in liquid environments**
L. Mândrea, C. A. Băbuțanu, G. Oprina
- 5. Numerical optimisation of polygonal breathing thermal manikins**
M. Ivanov, S. Mijorski
- 6. Analysis of the possibilities of combustion of animal fat mixed with liquid hydrocarbons in boilers with small furnaces**
L. Mihăescu, Gh. Lăzăroiu, I. Pîșă, E. Pop, G. Negreanu, V. Berbece, A.Bondrea

Friday 09 June 11:00 – 11:30

Coffee break

SECTION 1: THERMAL EQUIPMENT AND RENEWABLE ENERGY

Hall 1

Friday 09 June 11:30 - 13:00

Chairmen: Rosen Vasilev, Ionel Pîșă

- 1. Calculating the efficiency of the electrolyzers for production of oxyhydrogen**
I. Nedelchev, H. Zhivomirov, R. Vasilev, V. Vasileva
- 2. Method developed for determination of uncertainty of the transient resistance of protective earth connections**
V. Vasileva, R. Vasilev, I. Nedelchev
- 3. On combustion of diesel fuel-raw animal fats blends at diesel engine**
A. Nicolici, C. Pana, N. Negurescu, Al. Cernat
- 4. The design of the water diffuser system of a tank for a cogeneration plant with reciprocating engines**
P. Rădan, V.E. Cenușă, E. Arion, A. A. Adam
- 5. Energetic and exergetic analysis of combined cycle power plant with single level pressure heat recovery steam generator**
P. Rădan, V.E. Cenușă, E. Arion, A. A. Adam
- 6. Review on existing Brown's gas (HHO) production's systems and analysis of capabilities for its use in practice**
D. Deltchev, A. Terziev, I. Iliev

Friday 09 June 13:00 – 14:30

Lunch

SECTION 1: THERMAL EQUIPMENT AND RENEWABLE ENERGY

Hall 1

Friday 09 June 14:30 - 16:00

Chairmen: Violeta Rasheva, Ion V. Ion

- 1. Stack effect in high-rise buildings – importance of the curtain walling, windows and doorsets airtightness for the building performance**
S.Mijorski, M. Ivanov
- 7. Energy efficiency increasing through space management. case study in an office building**
I.Udrea, T. Trita, R.Popa
- 3. Technical monitoring results after energy efficiency investment for a student dormitory in Podgorica**
V. Rasheva, C. Iliev, V. Kamburova, D. Karadagic, M. Velikanov
- 4. Monthly zero net energy loss for a south facing window with shutter, in Bucharest, a real possibility**
R. Popa, I. Udrea, T. Prisecaru
- 5. Energy efficiency in waste water heat utilisation and automation of dyeing process**
N. Zlatov, C.Iliev, M. Velikanov
- 6. Biomass storage approach impact of a power plant**
I.Bitir-Istrate, M. Scripcariu
- 7. Heat recovery in metallurgy. technical and economical aspects of using ORC installations in Romania**
M. Scripcariu, I. Bitir-Istrate, M. Buțu, R. Porumb, Al. Pavel, M. Pătrășcan

Friday 09 June 16:30 – 17:00

Coffee break

SECTION 2: BIOTECHNICAL SYSTEMS, RENEWABLE ENERGY AND RURAL DEVELOPMENT

Hall 2

Friday 09 June 9:30-11:00

Chairmen: Atanas Atanasov, Sorin-Ştefan Biriş

- 1. Nanotechnology applied in wastewater treatment field**
Il.C. Covaliu, B.Şt. Zăbavă, L. Toma, F. Ilie, V. Vlăduţ, M.G. Matache, C.I. Moga,
G. Paraschiv, S.Şt. Biriş
- 2. Discoloration of water containing synthetic dyes by four strains of Aspergillus**
M. Ferdeş, M. Dincă, G. Paraschiv, L. Toma
- 3. Modeling and simulation of mass dosing process to produce pellets with Excel VBA programing**
G. Ipate , Gh. Voicu, C. Dumitrescu, E. Murad, F. Ilie
- 4. Waste gazification technology using a fixed-bed gasifier – review**
G. Moiceanu, G. Paraschiv, Gh. Voicu, M. Dincă, M. Ferdeş, L. Toma, N. Ungureanu
- 5. Management of excessive meteoric water in rural residential areas**
V.V. Safta, I.C. Gîrleanu, B. Şt. Zăbavă, A. Boureci
- 6. Consideration on the constructive factors of clarifiers and their influence on the settling process efficiency – a review**
B.Şt. Zăbavă, Gh. Voicu, N. Ungureanu, M. Dincă, M. Ionescu, M. Munteanu, A. Pruteanu

Friday 09 June 11:00 – 11:30

Coffee break

SECTION 2: BIOTECHNICAL SYSTEMS, RENEWABLE ENERGY AND RURAL DEVELOPMENT

Hall 2

Friday 09 June 11:30 - 13:00

Chairmen: Valentin Vlăduț, Iulian-Claudiu Duțu

- 1. Aspects on the efficiency of roll-over protective structures testing**
S.Șt. Biriș, E. Maican, N. Ungureanu, C. Persu, M. Matache, M. Oprescu
- 2. Open source paradigms in urban and rural development**
Al. Calcatinge
- 3. The influence of the speed of revolution of a hammer mill on energetic willow chippings**
M. Chițoiu, Gh. Voicu, G. Moiceanu, G. Paraschiv, M. Dincă, I. Găgeanu, V. Vlăduț
- 4. Turbo-generator set simulation in dynamic conditions**
D.Al. Ciupăgeanu, Gh. Lăzăroiu
- 5. Design of machine for separation and processing the recyclable solid waste**
N.M. Faleh, I.A. Grafu
- 6. Considerations on vibratory working bodies used to minimize soil compaction**
N.E. Gheorghită, S.Șt. Biriș, N. Ungureanu

Friday 09 June 13:00 – 14:30

Lunch

SECTION 2: BIOTECHNICAL SYSTEMS, RENEWABLE ENERGY AND RURAL DEVELOPMENT

Hall 2

Friday 09 June 14:30 - 16:00

Chairmen: Voicu Gheorghe, Ferdeş Mariana

- 1. Influence of kneading rate on kinetics of wheat dough structure**
M.G. Munteanu, Gh. Voicu, M. Dincă, G.A. Constantin, M. E. Stefan, B.Şt. Zăbavă
- 2. Evaluation honey yield of sunflower (*Helianthus Annuus* L.) crop under climatic conditions for Ruse region in Bulgaria**
M. Petrov, A. Atanasov, I. Hristakov, H. Beloev, S.Şt. Biriş, V. Vladuţ
- 3. Cooling systems for hydraulic fluid used in electro hydraulic operated industrial machinery**
R. Rădoi, Al. Hristea, B. Tudor, I.C. Duţu
- 4. Aspects regarding the construction and working process of auto-vidanges for sewer unclogging**
Gh. Voicu, I.C. Duţu, P. Tudor, G. Ipate
- 5. Criteria for water management optimization in agro-tourismus**
M. Ragazzi, I. Precazzini, R. Giurea, E.C. Rada, M.I. Achim, I.A. Istrate
- 6. Integration of renewable energy sources on electricity market using TEP optimization**
C. Al. Sima, G. C. Lăzăroiu, V. Dumbravă, M. Tirsu, V. Galbura

Friday 09 June 16:30 – 17:00

Coffee break

Friday 09 June 19:30-22:00

Conference Dinner

Saturday 10 June 9:30-11:30

Networking

Saturday 10 June 12:00

Participants Departure