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PROGRAM

ENERGIA TRANSYLVANIAE INTERNATIONAL CONFERENCE ON SOLAR, WIND AND BIOENERGY Date: 14th of May, 2011

08:00 – 09:00 Registration

OPENING CEREMONY (ROOM 43)

09:00 – 09:10 Prof. Univ. Dr. Petrea Dănuț, the Dean of the Faculty of Geography;

09:10 – 09:20 Dr. Imecs Zoltán, the president of Cholnoky Jenő Geographical Society

PLENARY SESSION, INVITED SPEAKERS

09:20 – 09:45 Laurentiu Fara, Andrei Galbeaza Moraru: *Building integrated photovoltaic system (BIPV) in Romania*

09:45 – 10:05 Nicolae Rusan, Alina Negoescu: *Wind energy, the energy of the future for Romania*

10:05 – 10:35 Ioana Dragos: *Partnership Initiatives in the Field of Renewable Energy in the North-West Region*

10:35 – 11:00 Coffee break

SOLAR ENERGY PRESENTATIONS (ROOM 43)

MODERATOR: DR. FLORIN MOLDOVAN

11:00 – 11:20 Adina-Eliza Croitoru, Iulian-Horia Holobaca, Cristina Burada, Florin Moldovan: *Sunshine duration in western Romanian plain*

11:20 – 11:40 Blanka Bartók, Zoltán Imecs, Károly Tar: *Modeling radiation conditions of Hernád-valley in GIS environment*

11:40 – 12:00 Andrei Galbeaza Moraru, Laurentiu Fara: *Modeling, simulation and experimental results for a BIPV system*

12:00 – 12:20 Victor Verbitchi: *Solar energy systems as a case study for welding applications*

12:20 – 12:40 Viorel Serban, Adrian Panait, Madalina Angela Zamfir, George Alexandru Ciocan, Marian Androne, Iulian Nita, Liviu Postolache: *Efficient thermal power plants with heat recovery*

SOLAR ENERGY POSTERS

12:40 – 12:50 Lucian-Constantin Rusen: *Hybrid solar thermal systems for Romanian applications*

12:50 – 13:00 Alexandru Diaconu: *Technical and economical dimensioning of a grid-connected photovoltaic system*

13:00 – 15:00 Lunch break

WIND ENERGY PRESENTATIONS (ROOM 43)

MODERATOR: DR. ANDREA KIRCSI

15:00 – 15:20 Andrea Kircsi: *The regional extrapolation of wind speed in the Hernád-valley*

15:20 – 15:40 Károly Lakatos, Sándor Hajdu: *The influence of pitch control on working parameters of cross-flow turbines*

15:40 – 16:00 Viorel Serban, Adrian Panait, Madalina Angela Zamfir, George Alexandru Ciocan, Marian Androne, Laura Elena Serban, Liviu Dan Postolache, Viorela Maria Postolache: *New wind power turbines – Generation 2*

16:00 – 16:20 Viorel Serban, Adrian Panait, Marian Androne, George Alexandru Ciocan, Madalina Angela Zamfir, Laura Elena Serban, Liviu Dan Postolache, Viorela Maria Postolache: *Wind waves power turbines*

16:20 – 16:40 Coffee break

BIOENERGY PRESENTATIONS (ROOM 43)

MODERATOR: DR. ZOLTÁN IMECS

16:40 – 17:00 Daniel Armenciu: *The traditional bioclimatic architecture in the Romanian geographic and climatic context*

17:00 – 17:20 Alexandru Naghiu, Mircea-Stefan Chintoanu, Simona Bârsan: *Biofuels – a challenge for the XXI-st millennium*

17:20 – 17:40 Mónica Paládi: *CO₂-emission of a wood-fired detached house*

17:40 – 18:00 Mihai Nichita, Viorel Minzu, Gabriel Murariu: *Control architecture challenges for the residential micro-network based on renewable systems utilization: A new exhaustive review*

BIOENERGY POSTER

18:00 – 18:10 Elena Raducan, Luminita Moraru, Gelu Gurguiatu, Nichita Cristian: *Impact of energy storage systems on clean industry*

18:10 – 18:45 short workshop session, discussion and closing ceremony

19:30 – Dinner

The duration of the **presentations** is **15 minutes + 5 minutes** discussion.

Please use **Microsoft Power Point 2003** (*.ppt) for the presentations.

The size of the posters should not be larger than A0 (120x80 cm) format.

WIFI Internet connection will be available in the rooms.