

CONFERENCE PROGRAMME

Sunday, June 29, 2008:

18,00 – 21,00 - Welcome Cocktail
Conference Center Astoria, Eminescu
room

Monday, June 30, 2008:

8,30-9,30 Registration
9,30 –10,00 Opening Ceremony, Conference Center
Astoria, Eminescu room
10,00-12,00 Plenary Session, Conference Center
Astoria, Eminescu room
12,00-13,30 Lunch break
13,30-19,00 Section sessions,
Rooms Eminescu , Creanga and Clubul
bursei

Tuesday, July 1, 2008:

9,00-13,00 Section sessions
Rooms Eminescu , Creanga and Clubul
bursei
13,00-14,00 Luncheon break
14,30 Departure to Cotnari vineyard

Wednesday, July 2, 2008:

9,00 – 13,00 Section sessions
Rooms Eminescu , Creanga and Clubul
bursei

CONFERENCE SECTIONS

	PLENARY SESSION
SECTION I	Transmission and Distribution Systemanalysis, Planning and Operation
SECTION II	Reliability and Risk Evaluation for Power Systems
SECTION III	Renewable Sources and New Technologies
SECTION IV	Energy Efficiency and Asset Management
SECTION V	Environmental and Social Issues
SECTION VI	Information Speciepplication in Power Systems
SECTION VII	Education in Energy Field
WORKSHOP	<i>To be completed</i>

PLENARY SESSION

Monday, June 30, 2008, 10,00-11,00
Eminescu room

❖ **Recent Developments in Energy Markets –
The Ontario Example**

Puica Nitu
CIWES, Canada

❖ **Trends of the Research in the Field of Non-
Linear Processes**

Acad. Gleb Dragan
Romanian Academy

11,00 – 11, 15 **Coffee break**

11,15 – 12,00

❖ **Position and Activities of Transelectrica on
the Regional Energy Market**

Gheorghe Indre, Transelectrica, București,
Romania

❖ **Trigeneration CO₂ Emission Reduction
Scenario Assessment**

Gianfranco Chicco, Pierluigi Mancarella
Politeico di Torino, Italy

❖ **Intelligent controlled switching influence on
the power quality**

Florin Munteanu, Ciprian Nemes
Technical University of Iasi, Romania

SECTION I

TRANSMISSION AND DISTRIBUTION SYSTEMS ANALYSIS, PLANNING AND OPERATION

Session I.1

Monday, June 30, 2008, 13,30 -15,30

Eminescu room

Session Chairmen: Gianfranco Chicco and Mihai Tirsu

- A 07 Application de la méthode aux différences finies calcul de la température dans conducteurs creux d'une ligne monophasée de moyenne fréquence**
Z. Piatek, T. Szczegielniak
Université Technique de Czeszochowa, Pologne
- A 08 Champ électromagnétique dans une gaine tubulaire commune d'un système de conducteurs**
Z. Piatek, D. Kusiak
Université Technique de Czeszochowa, Pologne
- A 09 The Asynchronous Generator with Condenser Excitation**
V.Berzan, M.Tirsu, A.Birladeanu
Academy of Sciences of Moldova
- A 10 Innovative Variant of Phase Shifting Transformer (PST)**
L.Kalinin, M.Tirsu, D.Zaitsev
Academy of Sciences of Moldova
- A 11 Recommendations on Accuracy Increase of Non-Destroying Quality Monitoring of Partial Discharge Parameters Based Measurement For HV Cables**
M. Tirsu
Academy of Sciences of Moldova
- A 14 Load and Forces on Hydroelectric Power-House Due to Electromechanical Machines**
A. de Marziani F. Podio
Enel Produzione, Italy

A 22 The Myth of the Triplen Harmonics

Gianfranco Chicco - Politecnico di Torino, Italy

Petru Postolache, Cornel Toader - University Politehnica of Bucuresti, Romania

A 25 Introduction to the Planning of the LVDC Networks

T. Kaipia, P. Salonen, V. Voutilainen, J. Lassila, J. Partanen

Lappeenranta University of Technology, Finland

A 28 Improvement of the Energy Networks in a Small Town District

L. Giaccone, F. Rozzo, A. Sozza, L. Spinolo, M. Tartaglia

Politecnico di Torino, Italy

B 095 Load-Frequency Control – I, Monitoring, Testing

Doina Ilisiu

Transelectrica, București, Romania

B 096 SCADA System for Monitoring of the Technical Parameters of the Electrical Energy Quality and for the Computation of the Continuity Indicators

Hermina Albert - ISPE Bucuresti, Romania,

N. Golovanov - University Politehnica of Bucuresti, Romania

V. Branescu - Electrica Muntenia Nord, Târgoviște, Romania

V. Rascanu,, D. Paun, C. Paun- Felix IT, Bucuresti, Romania

15,30-16,00 Coffee break

Session I.2

Monday, June 30, 2008, 16,00 – 19,00

Eminescu room

Session Chairmen: Ciprian Diaconu and Nicolae Golovanov

- B 129 Asset Management and the Decision-Making Process-Current Aspects within Romania's Electricity Transmission Grid**
C. Diaconu, M. Florea, Christiana Barbulescu
Transelectrica , București, Romania
- B 060 RMS Voltage Stationarity Analysis. Practical Results Based Case Study**
D.Apetrei - Electrica, București
N. Golovanov, P. Postolache - University Politehnica of Bucuresti, Romania
- B 151 Consideration Regarding Remote Control of the Power Substations Belonging to the Romanian TSO Company**
C. Diaconu, Ioan T. Pop, Mihaela Nitu Transelectrica SA, Bucuresti, Romania,
C. Munteanu- Technical University, Cluj, Romania
- B 130 The Transition to 400kv – The Characteristic Operational Conditions for the Electrical Subsystem Administrated by ST Timișoara**
Dana Mihaela Pop, I. Ardelean, N. Chiosa, C. Bărbulescu -Transelectrica,
Timisoara, Romania
S. Kilenyi, G.Vuc-University Politehnica of Timisoara, Romania
- B 042 Solution for the Prevention of Incidents within Overhead Transmission Lines Produced by Breaking the Contacts Plates of Compression Clamps for Steel-Aluminum Conductors**
C. Matea, P. Dădulescu, C. Chiper
Transelectrica, Bucuresti, Romania
- B 139 Power Quality Permanent Monitoring Systems in Romania**
C. Stanescu, C. Pispiris, J. Widmer, P. Postolache
Transelectrica , Bucuresti, Romania

- B 132 Modern Solutions Used for 400/220 kV Slatina Substation Rehabilitation**
N. Popescu, Manuela Florea, M. Dumitru, Emilia Stoicescu
Transelectrica SA – ST Pitesti, Romania
- B 146 Monitoring of a Shunt Reactor 100MVar, from Sibiu**
V. Metiu, V. Zaharescu, A. Moraru, G. Moraru, D. Morar
Transelectrica, Sibiu, Romania
- B 148 Wide Area Secondary Network for the Romanian Power System**
I.P. Viziteu, Maria Viziteu, A. Miron
Teletrans SA, Romania
- B 073 The Role of Electricity Certification in the Policy of Promotion Clean Sources of Energy**
Georgeta Stănciulescu, Mihaela Jişa, Nadina Stanciu
Romanian Energy Regulatory Authority, Bucureşti, Romania
- B136 System for Quality Monitoring in Distribution Networks**
Liliana Sirghie, F. Csulak, N. Murariu, B. Chitescu
E.On Moldova Distribution
- B 145 Restructuration des flux d'activité interdepartementale dans la gestion des catastrophes chez Transelectrica**
Cecilia Barbulescu
Transelectrica, Bucureşti, Romania

Session I.3

Wednesday, July 2, 2008 9,00 – 11,00,

Eminescu Conference Room

Session Chairmen: Mariana Dumitrescu and Petru Postolache

- B 029 Assessing Overhead Lines' Lightning Exposure Using the Romanian Lightning Detection and Localization Network (RDLN)**
Ileana Baran, S. Stoica,
University Politehnica of București, Romania
- B 055 New Methodnd Aspects for the Assessment of the Magnetic Field of the Overhead Power Lines**
Marilena Ungureanu, Ileana Baran
University Politehnica of București, Romania
- B 093 The Urbistic Concept and Sustainable Development of Urban Electric Networks**
L.C. Lipan, P. Postolache
University Politehnica of București, Romania
- B 101 Load Management System for a Big Consumer**
I. Burloiu, N. Golovanov, V. Piron
University Politehnica of București, Romania
- B 102 Novel Instrument Transducers for Power System Measurements. The Interface With Protection Relays**
M. Deaconu, N. Golovanov
University Politehnica of București, Romania
- B 052 Modeling of Energy Consumption Based on Weather Indicators**
Anda Sabena Dobrescu - University Politehnica of București, Romania,
I. Căciulă - "Valahia" University of Targoviste

- B 068 Congestion Evaluation in Complex Power Systems Using Probabilistic Power Flow**
G. Vuc, S. Kilyeni -University Politehnica of Timisoara, Romania
I. Ardelean, C. Barbulescu- Transelectrica, Timisoara, Romania
- B 074 Matlab Simulations for the Optimization of the Reactive Power Compensation in Electrical Distribution Networks**
A. Băloi, A. Pană
University Politehnica of Timișoara, Romania
- B 118 Power Losses Computing and Optimization in a Power Distribution System**
Mariana Dumitrescu, T. Munteanu, G. Gurguiatu, C. Vlad
University “Dunarea de Jos”, Galati, Romania
- B 013 Event Analysis for the “Breaking of Ceramic Post Insulators” from the Structure of 110 kV Rotary Disconnecting Switches**
G. Bendea, V. Carp, I. Boja, I. Demeni, Codruța Bendea
University of Oradea, Romania

11,00-11,15 **Coffee break**

Session I.4

Wednesday, July 2, 2008, 11,15 – 13,00
Eminescu Conference Room

Session Chairmen: Ileana Baran and Marcel Istrate

- B 024 Experimental Researches Concerning 110 kV High Voltage Disconnecting Switches Damage**
V. Carp, N. Coroiu, G. Bendea, I. Demeni, A. Goja, Ș. Bunda
University of Oradea, Romania
- B 039 About Power Factor in Non-Symmetrical and Non-Sinusoidal Situations**
Liliana Marilena Matica, N. Coroiu - University of Oradea, Romania
R. I. Matica - Electrica Service Oradea, Romania

- B 040 Non-Symmetrical Situationanalysis for Electrical Networks Insulators Diagnose**
R. I. Matica- Electrica Service Oradea, Romania
Liliana Marilena Matica - University of Oradea, Romania
- B 111 A Comprehensive Assessment of the Solutions of the Distribution System Minimum Loss Reconfiguration Problem**
H. Andrei, I. Caciula-University “Valahia” Targoviste, Romania
G. Chicco- Politecnico di Torino, Italy
- B 083 ATP-Model of a Fault Locator for Transmission Lines**
M. Istrate, M. Gușă
Technical University of Iași, Romania
- B 086 The Romanian Electricity Market in the European Framework**
O. Ivanov, M. Gavrilas
Technical University of Iași, Romania
- B 087 State Estimation with Phasor Measurement Data**
I. Rusu, M. Gavrilas, O. Ivanov
Technical University of Iași, Romania
- B 113 Power Energy Saving Potential Evaluation in Distribution Networks by Fuzzy Techniques**
Gh. Cartina, Gh. Grigoras, E.C. Bobric
Technical University of Iasi, Romania
- B 110 Electrical Equipment Monitoring and Diagnose Through Electromagnetic Radiation Field**
Monica Rotariu, A.Baraboi, M. Adam, C. Pancu
Technical University of Iași, Romania
- B 153 Analysis of Overhead Lines Behavior to Direct Lightning Strokes**
Iuliana Hriscu-E.On Moldova Distributie Iasi, Romania
M. Gusa, M. Istrate - Technical University of Iași, Romania

SECTION II

RELIABILITY AND RISK EVALUATION FOR POWER SYSTEMS

Session II.1

Monday, June 30 2008 Clubul Bursei Room

13.30 - 15.30

Session Chairmen: Junichi Toyoda and Florin Munteanu

- A 12 Mean Life Estimation of an Aged Power Equipment Group with Operation Data Sequence**
J. Toyoda, H. Saitoh, K. Sakamoto, T. Chida
Tohoku University, Japan
- A 16 Mechanism of Cascading Emergencies in Electric Power Systems**
N.I. Voropai, D.N. Efimov
Energy Systems Institute, Irkutsk, Russia
- A 29 Fault Analysis of LVDC Distribution System**
P. Salonen, T. Kaipia, P. Nuutinen, P. Peltoniemi, J. Partanen
Lappeenranta University of Technology, Finland
- A 42 Reliability Assessment in Active MV Distribution Networks with Possibility of Autonomous Microgrids**
S. Conti, S. Raiti, U. Vagliasindi
University of Catania, Italy
- B 003 Research Results Regarding The Operational Reliability of Equipment from Hydro Power Plants Structure**
Cristina Hora, I.Felea
University of Oradea, Romania

B 005 Consideration on the Risk Concept for The Exploiting Personal of the Power Systems

I. Felea, N. Coroiu, I. Demeni, C. Secui, G. Bendea, C. Dubău
University of Oradea, Romania

B 011 Application of Fuzzy Modeling in Reliability Analysis of the Electric Stations

Simona Dziţac, I. Felea
University of Oradea, Romania

15,30 – 16,00 **Coffee break**

Session II.2

Monday, June 30 2008, 16,00 - 17, 30

Clubul Bursei Room

Session Chairmen: Ion Felea and Dumitru Ivas

B 014 Operational Reliability of the 6-20 kV Grids Using Smart Systems for Monitoring and Fault Clearance Operations in the Grids with the Neutral Non-Earthed

B. Guzun, A. Dina, G. Comănescu
University “Politehnica” of Bucureşti, Romania

B 017 Human Reliability Analysis (HRA) in Nuclear Power Systems

C., Cristina Petronela Simion
University “Politehnica” of Bucureşti, Romania

B 031 Applying Petri Nets in Human Reliability Analysis

B. Guzun, L. Bedreagă
University “Politehnica” of Bucureşti, Romania

B037 The IEEE RTS Utilisation in Romania for Reliability Analysis of Power Systems: Opportunity and Difficulties

F. Munteanu, C. Nemes, D. Ivas
Technical University of Iasi, Romania

B 066 Contributions Regarding the Maintenance Optimization of Power Plant Steam Condenser

Roxana Grigore, G. Hazi

University of Bacau, Romania

B 117 Simulation and Computing of Power Delivery Systems Reliability

Mariana Dumitrescu

University "Dunarea de Jos", Galati, Romania

B 144 Estimation of Distortional Operation Condition Impact on Power Transformers Reliability

I. Felea, C. Secui, E. Dale

University of Oradea, Romania

Session II.3

Wednesday, July 2, 2008 9,00 - 11,00

Clubul Bursei Room

Session Chairmen: Puica Nitu and Constantin Radu

A 35 Risk Management in Energy Markets

Puica Nitu

Ontario Power Generation Inc., Canada

B 009 Concept Referring to Risks, which is Applied to a Transformer of 250 MVA, 400/121/22 kV

C. Radu

SC Smart SA, Bucuresti

B 021 Evaluation of the Electric Power Equipment Reliability

C. Nemeş, F. Munteanu, D. Ivas

Technical University of Iasi, Romania

B 022 Optimal Relationship Between Operation and Maintenance Intervals

C. Nemeş, F. Munteanu, V.I. Ciornei

Technical University of Iasi, Romania

B 035 The Models for Security and Risk Indices Evaluation in the Electric Power Systems Development

D. Ivas, C. Nemeş, F. Munteanu, C. Darzan
Technical University of Iasi, Romania

B 036 The Models of Reliability Evaluation for Systems with Dependent Elementnd Variable Structure

D. Ivas, C. Nemeş, F. Munteanu, C. Darzan
Technical University of Iasi, Romania

11,00-11,15 **Coffee break**

Session II.4

Wednesday, July 2, 2008, 11,15 – 13,00

Clubul Bursei Room

Session Chairman: Simona Louise Voronca

B 098 Energy Enterprises Risk Management - Guidelines for Incremental and Iterative Implementation

Simona Louise Voronca
Transelectrica, Bucuresti, Romania

B 099 Risk Identification and Prioritisation in the European Electricity Sector

Simona Louise Voronca
Transelectrica Bucuresti, Romania

B 134 The Importance of Initial Fingerprint Determination of the Medium Voltage and High Voltage Circuit Breakers Recently Installed in the National Power System in the Context of Passing to Reliability Based Maintenance

I. Ionescu, Irina Racoviţan
ICEMENERG, bucureşti, Romania

**B 140 Application of Plant-Specific Data Collection for Evaluation of Rates
for Pre-Initiators Human Failure on Cernavoda NPP**

Beatrice Rosu
CNE Cernavoda, Romania

B 141 Application of PSA Study at Cernavoda NPP Unit 1

Beatrice Rosu
CNE Cernavoda, Romania

B 150 Human Reliability Modeling Using Markov Chains

M. Rotariu, E. Voinea, Monica Rotariu, C. Diaconu
Technical University of Iasi, Romania

WESCC 2008

SECTION III

RENEWABLE SOURCES AND NEW TECHNOLOGIES

Session III.1

Tuesday, July 1, 2008, 9,00 – 11,00

Creangă Room

Session Chairmen: Mohammad Tariq Barakat and
Lucia Gabriela Sandovici

- A 01 Resources and Global Ecodynamics**
V.F. Krapivin, V.Yu. Soldatov - Russian Academy of Sciences. Moscow, Russia
C.A. Varotsos - University of Athens, Greece
C. Nitu- University Politehnica of București, Romania
- B 056 Why New Product Development Process Differs Depend On Innovative Type The Impact Of Knowledge Production During NPDP**
Cristina Mihaela Gheorghe, Lucia Gabriela Sandovici
University Politehnica of București, Romania
- A 03 Bus Moved By Ethanol Best PROJECT – Bioethanol For Sustainable Transportation**
Moreira, J. R. Velázquez, S. M. S. G. Santos, S. M. A. Coelho, S. T.
CENBIO – Brazilian Reference Center on Biomass, Brasil
- A 24 A Monte Carlo Approach for a Study on the Domestic Installation of Small PV and Thermal Solar Systems on the Grid**
A. Campoccia, Eleonora Riva Sanseverino, G. Zizzo
University Papienza, Rome, Italy
- A 32 Optimum Method for Supplying Remotely Located Electrical Loads Using Solar Energy**
Y. el- Tous, Hani Mohammad, M. T. Barakat
Al- Balqa Applied University, Jordan

- A 36 Design of a 15 MW Biomass Generating Plant**
F. Freschi, M.Fazzone, P. Lazzeroni, M. Tartaglia
Politecnico di Torino, Italy
- A 41 The Future Hybrid Renewable Power System and its Generation Dispatch**
Irina Ciornei - University of Cyprus, Nicosia
C. Nemes – Technical University of Iasi, Romania

11,00-11,15 **Coffee break**

Session III.2

Tuesday, July 1, 2008, 11,15 -13,00

Creangă Room

Session Chairmen: Lucia Gabriela Sandovici and Mircea Gușă

- A 45 Geothermal Space Heating Project in North-Western Spain (Gordoncillo-Leon) Using A Steady 30°C Aquifer .**
C.R. Chamorro, L. Peláez, J.J. Segovia, M.C. Martín, M.A. Villamañán-
Universidad de Valladolid, Spain
R. Rico, A. Toro, L. Fernández - Sociedad de Investigación y Explotación
Minera de Castilla y León, Valladolid, Spain
V. del Barrio - Instituto Geológico y Minero de España, Salamanca, Spain
- B 023 Building Integrated Photovoltaics in Romania Presentation of a Research Project**
Ana-Maria Dabija-University of Architecture and Urbanism, București,
Romania
L. Fara –University Politehnica of București, Romania
S. Fara, D. Finta - Design Institute for Automation, București, Romania
Marius Paulescu - West University Timisoara, Romania
I. Zaharie - University Politehnica of Timisoara, Romania

- B 065 Reconfiguration of Distribution Networks with Distributed Generation by Pareto Optimality and a Genetic Algorithm**
B. Tomoiagă , C. Bud, Transelectrica, Cluj, Romania
M. Chindriș Technical University of Cluj, Romania
- B 088 RES & RUE Twinning in Romanian Industry: Relevant Case Studies**
M. Voronca
Romanian Energy Efficiency Fund, București, Romania
- B 106 The Power System with Photovoltaic (PV) Cell Source**
Eleonora Darie
Technical University of Civil Engineering, București, Romania
- B 107 The Micro Network Concept**
Eleonora Darie
Technical University of Civil Engineering, București, Romania
- B 137 Researches Regarding the Generation of Electrical Energy from Low and Medium Wind Potential**
Ioana Corina Mandis, D. Robescu
University Politehnica of București, Romania
M. Barglazan - University Politehnica of Timisoara, Romania
- B 016 Solar Energy Conversions**
M. Bogdan Gagniuc
University Politehnica of Bucuresti, Romania
- B006 Solar Energy – Perspectives, Tendenciend Challenges in Romania**
C. Zaharia
Tehcnical University of Iasi, Romania

SECTION IV

ENERGY EFFICIENCY AND ASSET MANAGEMENT

Session IV.1

Monday, June 30, 2008, 13,30 – 15,30
Creangă Room

Session Chairmen: Adrian Baraboi and Vasile Rugină

- A 17 Energy Sustainability in Buildings by Chp-Gas Engine Distributed Generation System**
R.Arghandeh Jouneghani, M.Amidpour, B.Rashidian
University of Technology Tehran, Iran
- A 18 An Energy Analysis System for Audit Activities in Non-Residential Buildings**
A.Prudenzi, M.di Lillo, F.Capuani
University of L'Aquila, Italy
- A 39 Improvement of the Energy Networks in a Small Town District**
L. Giaccone, F. Rozzo, A. Sozza, L. Spinolo, M. Tartaglia
Politecnico di Torino, Italy
- B 010 Promotion of Energy Efficiency under the Energy Market Conditions**
V. Rugină, Maria Rugină, Anca Badea
ICEMENERG, București, Romania
- B 109 Energetic Efficiency Increase in S.C. Carpatcement Holding Bicz Branch**
Monica Bernea
Carpatcement Holding S.A, București, Romania
- B 028 Potential for Energy Cost Reduction in a Pulp and Paper Mill**
Aneta Hazi, G. Hazi,
University of Bacău, Romania

B 054 The Influence of Rehabilitation Measures over the Competitiveness of Combined Heat and Power Systems

L. Ruieneanu, I. Mircea, I. Goșea
University of Craiova, Romania

15,30-16,00 Coffee break

Session IV.2

Monday, June 30, 2008, 16,00 – 17,30
Creangă Room

Session Chairman: Ion Mircea, Maricel Adam

B 061 Quality Management in Energy Industry – The Data Problem

D. Apetrei - Electrica, București, Romania
Pintea V -Pintea V. – EGL Romania, București

B 089 Statistical Analysis of Functional Parameters of The High Voltage Circuit Breakers Type IO 110...400 kV

P. Mircea, I. Manea, I. Mircea
University of Craiova, Romania

B 094 The Importance of Power Quality

Monica Iorgulescu
RADET, București, Romania

B 115 Optimal investments in electric networks based on economic analysis

C. Costea - E-On Moldova, Iasi, Romania
G. Cartina, G. Grigoraș - Technical University of Iasi, Romania

B 116 Optimal Decisions in the Replacement of Old Distribution Transformers by Efficient Transformers in Distribution Networks

C. Costea - E-On Moldova, Iasi, Romania
G. Cartina, G. Grigoraș - Technical University of Iasi, Romania

B 147 An Asset Management System for the Energy System

P. Puiu - University of Bacau, Romania

A. Baraboi, M. Adam - Technical University of Iasi, Romania

B 025 New Technologies for High Breaking Capacity Fuses

A.Plesca, E. Furnica,

Technical University of Iasi, Romania

B 026 New Electromagnetic Device to Maintain the Voltage Level at Power Transformers

A.Plesca, M.Adam, A.Baraboi, C.Pancu,

Technical University of Iasi, Romania

WESCEC 2008

SECTION V

ENVIRONMENTAL AND SOCIAL ISSUES

Session V.1

Tuesday, July 1, 2008 9,00 – 11,00

Clubul Bursei Room

Session Chairmen: Dorin Cristescu and Eugen Hnatiuc

- A 30 Distributed Generation-CHP or District Heating-CHP?
A Comparison Between Available Technologies**
M.Torchio
Politecnico di Torino, Italy
- B 152 International and National Issues Concerning the Environmental
Challengend Social Aspects in High Voltage Networks**
D. Cristescu, M. Costea
University Politehnica of București, Romania
- A 13 Development of an Energetically Self-Sufficient Building:
Theoretical Model and Experimental Results**
V. Lavanga, Mosaico Experience S.R.L, Italy
S. Farné - Politecnico di Torino, Italy
- B 124 Environmental Impact of Cold Plasma Discharges**
E. Hnatiuc, R. Burlica, B. Hnatiuc, G. Todirasi
Technical University of Iasi, Romania
- B 008 Modern Thermal Power Plant Ash Discharge Technologies for
Reducing the Environmental Impact**
Adina Stanculea, G. Pauna, C. Jalba
ICEMENERG, București, Romania

- B 050 Optimal management of resources for greenhouse climate**
A. Dumitraşcu
University Politehnica of Bucureşti, Romania
- B 100 Electromagnetic Compatibility Relation with Environment for the Case of Overhead Electric Lines**
G. Magureanu, R. Porumb
University Politehnica of Bucureşti, Romania

11,00-11,15 **Coffee Break**

Session V.2

Tuesday, July 1, 2008 11,15 – 13,00
Clubul Bursei Room

Session Chairmen: Dorin Cristescu and Eugen Hnatiuc

- B 112 Assessing the Performance of Microturbine Clusters**
Adrian Valentin Boicea - University Politehnica, Bucureşti, Romania
Gianfranco Chicco – Politecnico di Torino, Italy
Pierluigi Mancarella - Imperial College London, United Kingdom
- B 135 Technology Status of Geothermal District Heating**
M. Rosca
University of Oradea, Romania
- B 142 Considerations Regarding the Operative Evaluation of Noxes Concentrations**
Ilie Vasile - E.On Moldova, Romania
C. Asaftei - Technical University of Iasi, Romania
- B 143 Unadjusting the Thermal Load – the Techno-Economic and Environmental Impact**
Ilie Vasile - E.On Moldova, Romania
C. Asaftei - Technical University of Iasi, Romania

B 149 Thermal Network Calculation for Indeterminate Situations

M. Rotariu, E. Voinea, Monica Rotariu
Technical University of Iași, Romania

B 059 Considerations Concerning the Thermal Computation of Some Steam Boilers Obtained by Transformation of The Tubular Furnaces

A. Gaba, Diana Enescu-University “Valahia” of Targoviste, Romania,
N. Gagea – Glorimex SRL, Romania

B 064 Some Aspect about Determination of Fouling Thermal Resistance for a Steam Condenser

Roxana Grigore
University of Bacau, Romania

SECTION VI

INFORMATIONAL SPECIES APPLICATIONS IN POWER SYSTEMS

Session VI.1

Tuesday July 1, 2008, 9,00 – 11,00

Eminescu Room

Session Chairmen: Gheorghe Cârțină and E de Tuglie

- A 27 A Cell Method Based on PMU Measurements for Power System Dynamic Monitoring**
Y.V. Makarov, J. Ma, N. Zhou, C. Miller, T. B. Nguyen
Pacific Northwest National Laboratory Richland, WA - USA
E. de Tuglie- Politecnico di Bari, Italy
- A 43 How to Exchange Information about the Configuration and Status of an Electrical Network by Using CIM**
M. Olteanu
Canadian Institute World Energy System, Canada
- B 015 Telecommunication Infrastructure and Power Lines**
M. Gagniuc
University Politehnica of București, Romania
- B 018 An Utility Company's Approach in the new Scada/DMS Systems Development**
C. Vlad, I. Păun, D. Crăciun, A. Bobi, M. Contescu
“Electrica Distribuție Muntenia Nord”, Prahova, Romania
- B 044 Neural Networks in Energy and Electricity Industry: A Survey**
R. Curca
University Politehnica of București, Romania

B 045 Informational Species in Artificial Intelligence

N. Pinte

Pintel Intelligent Systems – București, Romania

B 046 It's Time for the Linear Code

N. Pinte

Pintel Intelligent Systems – București, Romania

B 047 Digital Thermometry Module

N. Pinte - Pintel Intelligent Systems – București, Romania

C. Nitu - University Politehnica of București, Romania

M. Oltean – SMART SA, Sibiu, Romania

B 048 TIS Cultural Filtration, Implemented within the Directional Relay Structure

N. Pinte, V. Hristea - Pintel Intelligent Systems – București, Romania

C. Nitu - University Politehnica of București, Romania

I. Hategan, M. Oltean - SMART SA, Sibiu, Romania

B 049 Design and protection solution against industrial frequency overvoltage in low-voltage power grids

N. Pinte, V. Hristea - Pintel Intelligent Systems – București, Romania

M. Tămaș, E. Merdan – Electrica, Cluj, Romania

D. Toader - University Politehnica of Timișoara, Romania

I. Hategan, M. Oltean - SMART SA, Sibiu, Romania

M. Sufrim – SIER, București, Romania

11,00-11,15 **Coffee break**

Session VI.2

Tuesday July 1, 2008, 11,15 – 13,00
Eminescu Room

Session Chairmen: Radu Pentiuc and Gheorghe Hazi

- B 002 A System for the Storage and Retrieval of Technical Information Corresponding to Power Installations**
G. Hazi, Aneta Hazi - University of Bacău, Romania
V. Mălăia – Tranaelectrica, Bacău, Romania
- B 092 Artificial Neural Network Applications for Voltage Stability Monitoring**
C. Bulac, M. Eremia, I. Triștiu, L. Toma, B. Otomega
University Politehnica of București, Romania
- B 097 Study on the Romanian Communication Issues with Respect to Management Practices in Energy Sector**
Anca Alexandra Purcarea, Doina Corina Serban, Elena Fleaca
University Politehnica of București, Romania
- B 078 Robot communication Interaction with Colour Markers**
C. Popa, R. Pentiuc, S. Pentiuc, A. Graur
University of Suceava, Romania
- B 114 The Clustering Techniques in the Determination of the Power Losses in Radial Networks**
G. Cartina, G. Grigoras, V. Alexandrescu
Technical University of Iasi, Romania
- B 123 Securing Data Communication Channel in Power Systems**
D. Șercăianu, F. Țiucra-Popa
University Politehnica of București, Romania
- B126 Routing Algorithm for Process Operators**
I. Virtejanu
University Politehnica of București, Romania

B 138 Software Application to Create and Manage Static Load Models to Improve Electric Network Analysis

V. Alexandrescu, G. Cârțină, G. Grigoraș
Technical University of Iasi, Romania

B 145 Restructuration des flux d'activité interdepartementale dans la gestion des catastrophes chez Transelectrica

Cecilia Barbulescu
Transelectrica, București, Romania

WESCE 2008

SECTION VII

EDUCATION IN ENERGY FIELD

Wednesday July 2, 2008, 9,00 – 11,00
Creangă Room

Session Chairmen: Sorin Coatu and Emilian Furnică

- B 071 Electromagnetic Compatibility Learning for Electric Power Engineers in Politehnica University of Bucharest**
S. Coatu, M. Costea, D.C. Rucinski
University Politehnica of București, Romania
- A 44 Practical Work in Engineering Thermodynamics within the European Higher Education Area: A Rankine Power Miniature Plant**
C.R. Chamorro, R.M. Villamañán, J.J. Segovia, M.C. Martín, M.A. Villamañán, D. Vega-Maza
University of Valladolid, Spain
- B 007 Education into Energy Field Applied into the High Education Program -Environmental Engineering**
C. Zaharia
Technical University of Iasi, Romania
- B 032 The Web a Tool for Training in The Renewable Energy Field**
Ioana Opris, Lusine Caracasian
Romanian Energy Policy Association, București, Romania
- B 041 Information and Communication Technologies: Opportunities for Education in Electrical Systems**
E. Maftai, F.P. Vladicescu
University of Oradea, Romania
- B 131 The Forming of the Specialist in Today's Work Environment**
Sanda Taina, Maria- Liana Berlovan, C. Erbasu
Transelectrica Pitesti, Romania