

## DISCUSSION SESSIONS

### SECTION 1: ENERGY POLICIES AND ENERGY GENERATION FROM CLASSICAL AND RENEWABLE SOURCES

#### PANEL:

Chairman	Prof. Dr. Eng. Ioan Dan Gheorghiu, ISPE
Member	Prof. Dr. Eng. Adrian Badea, University Politehnica of Bucharest
Member	Dr. Eng. Ilie Timofte, Institute of Power Engineering of the Academy of Sciences, Republic of Moldova
Rapporteur General	Drd. Eng. Carmencita Constantin, ISPE
Secretary	Drd. Eng. Marian Dobrin, ISPE

### KEY ISSUE 1: STRATEGIES FOR ENERGY DEVELOPMENT, RISK MINIMIZATION

#### PANEL:

Chairman	Drd. Eng. Alexandru Sandulescu, MECMA
Member	Eng. David Mihai, Hidroenergetica
Member	Dr. Ec. Constantin Balasoiu, Electra
Member	Drd. Eng. Carmencita Constantin, ISPE
Secretary	Drd. Eng. Marian Dobrin, ISPE

### MONDAY 14 JUNE 2010, 14.00-15.30, CONFERENCE CENTER NEPTUN, HALL ROMANIA

No	Code	Title of the paper	Authors	Company
1.	S1-43	SC HIDROELECTRICA SA 2005-2025 development strategy, considering the European Energy Policy	David Mihai Cojoc Razvan Iacob Irinel Daniela	HIDROELECTRICA
2.	S1-68	The impact of weather risk on energy sector. Weather risk management.	Juliusz Pres	CONSUS Romania
3.	S1-74	Energy Resources Risk Approach	Pandele Neculae German Mihai Dinu Irene Paunescu Octavian	OMV PETROM ANRM OMV PETROM
4.	S1-60	Risk management for renewable energy sources producers	Gavriletea Mihaela Gavriletea Marius  Rogoz Ioan	HIDROELECTRICA Universitatea Babes-Bolyai Cluj Napoca HIDROELECTRICA

No	Code	Title of the paper	Authors	Company
5.	S1-4	The importance of voltage - reactive power control aspect in the electric transmission network development and the connection to the grid of large power sources, wind or conventional power plants	Coteanu Mihail Albert Hermina Lavrov George Tudor Nicoleta Asan Viviana	ISPE
	S1-9	Current issues related to wind power plants integration into the National Power System	Popescu Anca Albert Hermina Lavrov George Burloiu Cristina	
6.	S1-116	Impact on the new economies caused by the safety and environmental issues related to the energy consumption	Gaf – Deac Ioan Gaf – Deac Maria Ilias Nicolae	SNSH Bucuresti Universitatea Petrosani
7.	S1-117	Priorities for Romania's energy strategy	Binig Valeriu Vladescu Anton	Deloitte CNR-CME

## KEY ISSUE 2: EFFICIENT TECHNOLOGIES FOR POWER GENERATION

### PANEL:

Chairman	Prof. Dr. Eng. Adrian Badea, University Politehnica of Bucharest
Member	Eng. Constantin Ioanitescu, TERMOELECTRICA
Member	Drd. Eng. Carmencita Constantin, ISPE
Member	Dr. Eng. Cristian Tantareanu, ENERO
Secretary	Eng. Claudia Tomescu, ISPE

### MONDAY 14 JUNE 2010, 16.00-18.00, CONFERENCE CENTER NEPTUN, HALL ROMANIA

No	Code	Title of the paper	Authors	Company
1.	S1-91	Geological Carbon capture and storage in Romania. Case study for a 500 MWe unit	Constantin Carmencita Tomescu Claudia Filip Radu	ISPE

<b>No</b>	<b>Code</b>	<b>Title of the paper</b>	<b>Authors</b>	<b>Company</b>
2.	S1-90	Implementation of desulphurization equipment: between commitments and achievements	Constantin Carmencita Tomescu Claudia Filip Radu Sava Constantin Ion Cristiana Alec Sorin	ISPE  GEOECOMAR MECMA CE Craiova
3.	S1-10	High power reactive wind generators	Serban Viorel Androne Marian Ciocan George Zamfir Angela Panait Adrian	RAAN-SITON
4.	S1-7	Efficient energetic capitalization procedures of the wooden / agricultural biomass	Pasculete Elisabeta Girjoaba Miha Guta Doina	OVM-ICCPET
	S1-8	Small - scale cogeneration using biomass – fired boilers	Girjoaba Miha Radulescu Alexandru Floarea Laurentiu	
5.	S1-29	Hydrodynamic cavitation converter for wind energy – heat conversion	Vadan Ioan Balan Horia Tirnovan Radu Botezan Aurel Mutu Anca	Universitatea Tehnica Cluj Napoca
6.	S1-35	Optimal operation of a wind farm with integrated energy storage system	Ionita Cristina	TRACTEBEL Engineering
7.	S1-72	Renewable surface fuels for power generation	Badea Adrian Marculescu Cosmin	Universitatea Politehnica Bucuresti
8.	S1-96	City modern power supply alternatives	Popescu Valter Buta Ioana Cristina	ENET Focsani ISPE

## KEY ISSUE 3: PRIMARY ENERGY RESOURCES AND TECHNOLOGICAL OPTIONS

### PANEL:

Chairman	Prof. Dr. Eng. George Darie, University Politehnica of Bucharest
Member	Dr. Eng. Vasile Rugina, ICEMENERG
Member	Eng. Georgeta Stanciulescu, ANRE
Member	Prof. Dr. Eng. Marcel Rosca, University Oradea
Secretary	Eng. Alexandra Ignat, ISPE

WEDNESDAY 16 JUNE 2010, 14.00-15.30, CONFERENCE CENTER NEPTUN, HALL ROMANIA

No	Code	Title of the paper	Authors	Company
1.	S1-69	Situation and prospects of harnessing of small hydropower potential in Romania	Gheorghiescu Paul	
2.	S1-33	Wind potential in Dobrogea	Tudor Darie Sabau Adrian	Universitatea Maritima din Constanta
3.	S1-26	Posibilities of low enthalpy geothermal power generation in Romania	Rosca Marcel Karytsas Kostas Mendrinias Dimitrios	Universitatea din Oradea CRES
4.	S1-3	Economic aspects of photovoltaic systems	Ionita Cristina Golovanov Nicolae	TRACTEBEL Engineering Universitatea Politehnica Bucuresti
5.	S1-100	Structure analysis of electricity balance of Romania in terms of resources optimal mix of primary energy use – multicriterial model	Badea Adrian Voda Irina Dinca Cristian Breazu Floarea	Universitatea Politehnica Bucuresti ISPE Universitatea Politehnica Bucuresti ISPE
6.	S1-118	General context of the Romanian energetic potential re-outlining	Gaf – Deac Ioan Gaf – Deac Maria Marinescu Ioana	SNSH Bucuresti Roterm Instal Pitesti

No	Code	Title of the paper	Authors	Company
7.	S1-44	Tarnita – Lapustesti PSHPP, the first pumped storage hydropower plant in Romania	Oprea Traian Cojoc Razvan Iacob Irinel Daniela	HIDROELECTRICA
8.	S1-18	Pumped Storage Plant – The Missing Link in the Electricity Value Chain in Romania	Teleanu Mihai	HIDROELECTRICA
9.	S1-2	The present status of grating licenses and authorisations for renewable energy generation capacities	Popescu Mihaela Teodoroiu Victor Molnar Alexandru Leonte Aurel	ANRE

## KEY ISSUE 4: INCREASING THE ENERGY EFFICIENCY AND ENVIRONMENT PROTECTION

### PANEL:

Chairman	Eng. David Mihai, Hidroenergetica
Member	Dr. Vladimir Brega, Institute of Ecology and Geography of the Academy of Sciences, Republic of Moldova
Member	Eng. Corneliu Rotaru, ANRE
Member	Drd. Eng. Marian Dobrin, ISPE
Secretary	Eng. Veronica Petri, ISPE

## WEDNESDAY 16 JUNE 2010, 16.00-18.00, CONFERENCE CENTER NEPTUN, HALL ROMANIA

No	Code	Title of the paper	Authors	Company
1.	S1-86	Efficient use of hydroenergy resources in Romania	Popescu Anca Popa Florica Teodorescu Simona Bardici Anca	ISPE ISPH ISPE
2.	S1-45	Refurbishment strategies of the equipments in SC HIDROELECTRICA SA. Results after 10 years and future projects	Oprea Traian Ionescu Mihail Popescu Elena	
	S1-46	Refurbishment of the equipments from SHEN Portile de Fier	Pavelescu Teodor Novac Dragos Pantelimon Dragos Ebetiuc Tiberiu	HIDROELECTRICA

<b>No</b>	<b>Code</b>	<b>Title of the paper</b>	<b>Authors</b>	<b>Company</b>
	S1-48	Electric efficiency improvement of the Olt river hydro power plants by refurbishing the hydro-units	Pena Marian Cocioran Aurel Dutu Constantin	HIDROELECTRICA
	S1-49	Modern approaches in the refurbishment works of the power plants management on the Oltul Inferior river	Pena Marian Mihalache Viorel Saftoiu Marius Zanfir Gabriel	HIDROELECTRICA
3.	S1-119	NHPS „Iron Gates 1” – Rehabilitation of shiplock	Ionescu Mihail Ebetiuc Tiberiu Tudor Iulian	HIDROELECTRICA
4.	S1-87	Influence of application of the new legislative package „Energy – Climate Change” on industrial activities in Romania	Ghise Ioan Bardici Anca Teodorescu Simona Vladescu Anton	DSD NOELL  ISPE
5.	S1-114	Risks of holistically modelled competition energy market in the conception of operational researches	Gheorghiu Ioan Dan Carabulea Anatol  Popper M.G. Morar Adrian Stelea Nina	ISPE Universitatea Politehnica Bucuresti UT Academia Romana Universitatea Transilvania Brasov
6.	S1-103	Passive houses for Romania climate conditions (Casa Pasiva)	Badea Adrian Cerna Mladin Emilia Ochinciuc Cristina Georgescu Mihaela Teodosiu Catalin Teodoreanu Dan Anastasiu Madalina Milandru Adriana	Universitatea Politehnica Bucuresti UAUIM  UTCB ICPE ISPE
	S1-104	Renovation of residential buildings using the PH concept	Bárta Jan Bayer Gerhard Anastasiu Madalina Milandru Adriana	Centrum Pasivniho Domu, Cehia ÖGUT Austria  ISPE

No	Code	Title of the paper	Authors	Company
	S1-105	PASS-NET – EU Network for promoting the passive house concept	Tanzer Sylvia Miscevic Ljubomir  Ekart Peter Anastasiu Madalina Milandru Adriana	ÖGUT Austria Faculty of Architecture, University Croatia MRA Slovenia  ISPE
7.	S1-95	Impact of the environmental investments over technical and economic profitability of coal power plant	Bedreaga Mihaela Ioanitescu Costin	ISPE Termoelectrica
8.	S1-81	The impact of small hydropower stations exploitation on the environment	Marian Marius Gh.  Sajin Tudor	HIDROELECTRICA, SH "Bistrita" Piatra Neamt Universitatea "Vasile Alecsandri" Bacau

## KEY ISSUE 5: INTERNATIONAL COOPERATION

### PANEL:

Chairman	Dr. Ec. Constantin Balasoiu, Electra
Member	Rassinis Solon, Ministry of Commerce, Industry and Tourism, Cyprus
Member	Eng. Felicia Racasanu, Ministry of Economy, Commerce and Business Environment
Member	Dr. Eng. Ilie Timofte, Institute of Power Engineering of the Academy of Sciences, Republic of Moldova
Secretary	Eng. Adriana Milandru, ISPE

## THURSDAY 17 JUNE 2010, 14.00-15.30, CONFERENCE CENTER NEPTUN, HALL ROMANIA

No	Code	Title of the paper	Authors	Company
1.	S1-21	Energy Security: Criterion of Regional Stability. A Comparative Study Case: Nabucco – South Stream	Macarie Mihai Chitiba Constanta Glavan Stefan	Universitatea Crestina Dimitrie Cantemir Academia Nationala de Informatii
2.	S1-76	Elaborating the development versions of the interconnections of the Republic of Moldova's power system with the Ucraina's and Romania's power systems: Problems and solutions	Timofte Ilie	Institutul de Energetica al Academiei de Stiinte a Moldovei (ASM)

<b>No</b>	<b>Code</b>	<b>Title of the paper</b>	<b>Authors</b>	<b>Company</b>
3.	S1-77	Renewable energy of the Republic of Moldova: Possibilities and perspectives	Timofte Ilie Robu Sergiu Timofte Natalia	Institutul de Energetica al Academiei de Stiinte a Moldovei
	S1-78	Development of bioenergy in Moldova	Timofte Ilie Timofte Natalia  Brega Vladimir  Stratan Ion	Institutul de Energetica al Academiei de Stiinte a Moldovei  Institutul de Ecologie si Geografie al Academiei de Stiinte a Moldovei  Universitatea Tehnica din Moldova
4.	S1-79	Creating the natural gases underground stocks in the Republic of Moldova	Drumea A. Alcaz A.  Postolatii V.  Timofte Ilie	Institutul de Energetica al Academiei de Stiinte a Moldovei  Institutul de Geologie si Seismologie al ASM  Institutul de Energetica al ASM
5.	S1-82	Present situation & future prospects of energy production from renewable sources in Cyprus	Kassinis Solon	Ministry of Commerce, Industry and Tourism, Cyprus
6.	S1-113	Implementation of the Directive 2009/28/EC on renewable energy sources valorization	Racasanu Felicia  Rugina Vasile	Ministerul Economiei, Comertului si Mediului de Afaceri ICEMENERG

## SECTION 2: ELECTRICITY MARKETS

### PANEL:

Chairman	Drd. Eng. Victor Ionescu, OPCOM
Member	Drd. Eng. Nicolae Opris, TRANSELECTRICA
Member	Dr. Eng. Petru Lificiu, ANRE
Rapporteur General	Eng. Georgeta Ion, OPCOM
Secretary	Eng. Norica Sandulescu, OPCOM

## KEY ISSUE 1: ROMANIA'S POWER CENTRALIZED MARKETS PERFORMANCE

### PANEL:

Chairman	Drd. Eng. Victor Ionescu, OPCOM
Member	Dr. Eng. Petru Lificiu, ANRE
Member	Drd. Eng. Alexandru Sandulescu, MECMA
Rapporteur	Eng. Georgeta Ion, OPCOM
Secretary	Eng. Norica Sandulescu, OPCOM

## MONDAY 14 JUNE 2010, 14.00-15.30, COMPLEX AMBASADOR, HALL ANOTIMPURI

No	Code	Title of the paper	Authors	Company
1.	S2-15	Day Ahead Market performances in the context of central settlement implementation	Lupului Luminita Vasilevschi Constantin Cozma Viorica Vasilevschi Victoria	OPCOM
2.	S2-16	Romanian Green Certificates Market under the current legislation	Vladescu Gherghina Ghinea Smaranda Vasilevschi Constantin	OPCOM
3.	S2-17	The evolution of bilateral contracts centralized trading and OPCOM's proposals for development	Popa Rodica Bulboaca Daniela Fediuc Luiza Pandele Iuliana	OPCOM
4.	S2-18	Electricity Market Challenges considering new organization chart of electricity and heating generators	Lungu Ion	CEZ Trade Romania
5.	S2-19	Experience of E.ON regarding centralized electricity markets	Popescu Corina	E.ON
6.	S2-31	The 3rd Legislative Package of the European Commission for the liberalisation of the electricity market, a new phase of the cooperation regarding the implementation of the European electricity market	Cernat Adriana Ion Georgeta	TRANSELECTRICA OPCOM

## KEY ISSUE 2: STRATEGIES AND OBJECTIVES FOR INTEGRATION IN EUROPEAN ELECTRICITY MARKET

### PANEL:

Chairman	Drd. Eng. Nicolae Opris, TRANSELECTRICA
Member	Drd. Eng. Alexandru Sandulescu, MECMA
Member	Eng. Marian Cernat, TRANSELECTRICA
Rapporteur	Drd. Eng. Doina Ilisiu, TRANSELECTRICA
Secretary	Drd. Eng. Doina Ilisiu, TRANSELECTRICA

### MONDAY 14 JUNE 2010, 16.00-18.00, COMPLEX AMBASADOR, HALL ANOTIMPURI

No	Code	Title of the paper	Authors	Company
1.	S2-20	Issues related to the impact of the provisions in the Third Legislative Package upon the power transmission charging system, illustrating the case of CN Translectrica SA	Indre Gheorghe Dutoiu Mirela	TRANSELECTRICA
2.	S2-21	Monitoring the market for allocation of cross-border capacities in the frame of European electricity market	Craciun Ioana Petrescu Mihaela Unguroiu Octavia	TRANSELECTRICA, UnO-DEN
3.	S2-22	Projecting the secure networks for the process systems	Merfu Ion Niculescu Sorin Dima Nicolae	TRANSELECTRICA, ST Craiova
4.	S2-23	Synergy Strategic Planning Project. Key issues of the Romanian energy system development in the European policy horizon 2020 -2030	Giosanu Giorgiana Costea Diana	TRANSELECTRICA
5.	S2-24	The development of TRANSELECTRICA's power quality monitoring systems	Stanescu Carmen Gal Stelian Pispiris Sorin Rusu Adrian Leca Aureliu	TRANSELECTRICA
6.	S2-25	An evaluation of the Romanian energy system	Manea Gheorghe Ciobanu Constantin Chelu Cristian Statescu Paul Vasile Liliana	Universitatea Politehnica Bucuresti IRE
7.	S2-2	Local control frequency – power at CE Turceni	Ilisiu Doina Radulescu Andreea	AUTOMATIC SYSTEMS Craiova
8.	S2-40	Classical versus renewable unit technical requirements		TRANSELECTRICA

## KEY ISSUE 3: PROMOTING THE RENEWABLES AND ENERGY EFFICIENCY

### PANEL:

Chairman	Dr. Eng. Petru Lificiu, ANRE
Member	Drd. Eng. Alexandru Sandulescu, MECMA
Member	Eng. Sorin Pispiris, TRANSELECTRICA
Rapporteur	Drd. Eng. Maria Manicuta, ANRE
Secretary	Eng. Cristiana Calugar, ANRE

### WEDNESDAY 16 JUNE 2010, 14.00-15.30, COMPLEX AMBASADOR, HALL ANOTIMPURI

No	Code	Title of the paper	Authors	Company
1.	S2-10	Energy efficiency – a regional approach. Indicators, policies and evaluation	Rotaru Corneliu	ANRE
2.	S2-11	Promoting the power energy from renewable sources – between reality and desiderate	Stanciulescu Georgeta	ANRE
3.	S2-26	The impact of the new Directive on promoting the energy from renewable sources on the European electricity markets	Maria Manicuta Ioan Manicuta	ANRE OPCOM SA
4.	S2-32	Barriers in developing efficient projects – Dalkia experience in Romania	Cremenescu Cristina	Dalkia Romania
5.	S2-33	Financing renewable energy projects by grants	Ciuhu Laura	Lara Business Consulting
6.	S2-34	Wind energy in Romania. Perspectives and challenges	Duica Dana	Asociatia Romana pentru Energie Eoliana
7.	S2-35	Aspects regarding wind power plants' contribution to covering the load curve of the national energy system and their framing within the electricity market	Albert Hermina	ISPE
8.	S2-27	Approach about the efficient use of solar energy in Romania's climatic conditions	Budea Sanda Chiujdeu Cornelia	Universitatea Politehnica Bucuresti
9.	S2-28	The hydrogen: a method for electrical energy storage and for load curve flattening	Mogoreanu Nicolae  Golovanov Nicolae	Asociatia Consumatorilor de Energie din Moldova Universitatea Politehnica Bucuresti
10.	S2-29	The management of energy efficiency: legislation, measures and implementation	Ciorobea Florian Avarvare Victor Paraschiv Radu Sandu Catalin Stefanescu Georgeta Petrescu Camelia	ICPE

## KEY ISSUE 4: THE ELECTRICITY MARKET AND RELATED ENVIRONMENT MARKET BASED INSTRUMENTS. NATIONAL, REGIONAL AND EUROPEAN

### PANEL:

Chairman	Drd. Eng. Victor Ionescu, OPCOM
Member	Drd. Eng. Alexandru Sandulescu, MECMA
Member	Eng. Sorin Pispiris, TRANSELECTRICA
Rapporteur	Eng. Georgeta Ion, OPCOM
Secretary	Eng. Norica Sandulescu, OPCOM

WEDNESDAY 16 JUNE 2010, 16.00-18.00, COMPLEX AMBASADOR, HALL ANOTIMPURI

No	Code	Title of the paper	Authors	Company
1.	S2-1	Developments in energy markets	Sandulescu Alexandru	MECMA
2.	S2-4	Problems and Challenges in the Process of the Development of Electricity Regional Market in SEE	Indre Gheorghe	TRANSELECTRICA
3.	S2-6	Have the Southern Eastern European (SEE) countries will and ability to follow up the path opened by Northern and Western Europe in the process of market integration?	Ionescu Victor Palade Lucian Palade Roxana Constantinescu Mihaela	OPCOM
4.	S2-7	Environmental markets: international experiences and national opportunities	Popa Rodica Sandulescu Mirela Stancu Roxana Tarita Ioana	OPCOM
5.	S2-8	Romania's Debut in the Renewable Era: Wind Energy	Duica Dana	RWEA
6.	S2-5	Carbon market: the challenge before and after 2012?	Marincas Loredana	CONSUS Romania
7.	S2-9	CO <sub>2</sub> Emissions' Trading	Ghius Valentin	Carbon Warehouse Int.

## KEY ISSUE 5: THE DEVELOPMENT OF ELECTRICITY MARKET – THE THIRD EUROPEAN LEGISLATIVE PACKAGE

### PANEL:

Chairman	Dr. Eng. Petru Lificiu, Presedinte ANRE
Member	Prof. Dr. Eng. Nicolae Mogoreanu, Technical University of Moldova
Member	Eng. Sorin Pispiris, TRANSELECTRICA
Rapporteur	Dr. Eng. Otilia Marin, ANRE
Secretary	Eng. Laurentia Predescu, ANRE

### THURSDAY 17 JUNE 2010, 14.00-15.30, COMPLEX AMBASADOR, HALL ANOTIMPURI

No	Code	Title of the paper	Authors	Company
1.	S2-12	European regulators cooperation on transmission network development to foster internal electricity market – present and future	Marin Otilia Mihailescu Florentina	ANRE
2.	S2-13	Change by the consumer of electricity supplier – obstacles and their disposal measures	Indre Mihaela	ANRE
3	S2-14	Regulation of the quality of the supplying service	Craciun Marin	ANRE
4.	S2-36	Options regarding the increase the energy security of Romania	Leca Aureliu	Universitatea Politehnica Bucuresti
5.	S2-3	The third European Electricity Legislative Package – Influence on C.E.Turceni	Preda Marius Finca Marius Procopiu Cristina	CE Turceni
6.	S2-37	Economic concentration and / or competition on electricity market?	Vlasceanu Silvia	ACUE
7.	S2-38	Operation of power units within the national energy system in the free electricity market conditions	Popescu Anca	ISPE
8.	S2-39	Electricity market integration of Romania into the European market	Dumbrava Virgil	Universitatea Politehnica Bucuresti
9.	S2-30	Sustainable development from the ecological perspective	Florescu Dragos Voicescu Ioana Leotescu Raluca Dorobantu Irina Livia	FORMENERG

## SECTION 3: ROLE OF THE TRANSPORT AND DISTRIBUTION OPERATORS ON THE LIBERALIZED ELECTRICITY MARKET

### PANEL:

Chairmen	Ec. Adrian Baicusi, TRANSELECTRICA; Eng. Ioan Folescu, ELECTRICA
Member	Eng. Ion Merfu, TRANSELECTRICA
Member	Eng. Dan Florin Ticu, ELECTRICA
Rapporteur General	Dr. Eng. Ioan Silvas, ELECTRICA
Secretaries	Eng. Gabriela Dobrescu, ELECTRICA; Eng. Simona Oprea, TRANSELECTRICA

## KEY ISSUE 1: EFFICIENT TECHNOLOGIES FOR ENERGY TRANSPORTATION AND DISTRIBUTION. PROVIDING SECURITY OF SUPPLY. DISTRIBUTED GENERATION AND ENERGY SUPPLY FOR INSULATED CONSUMERS

### PANEL:

Chairman	Eng. Emil Merdan, ELECTRICA
Member	Dr. Eng. Dan Stanculescu, ELECTRICA
Member	Dr. Eng. Ciprian Diaconu, TRANSELECTRICA
Rapporteur	Eng. Dumitru Federenciuc, ELECTRICA
Secretary	Eng. Gabriela Dobrescu, ELECTRICA

## MONDAY 14 JUNE 2010, 14.00-15.30, COMPLEX AMBASADOR, HALL COCKTAIL

No	Code	Title of the paper	Authors	Company
1.	S3-2	Optimal Reactive Power Dispatch and Voltage Control using Artificial Intelligence Techniques	Bulac Constantin Eremia Mircea Ionescu Florin Tristiu Ion Pisica Ioana	Universitatea Politehnica Bucuresti
2.	S3-3	Optimal power supply placement for consumer use	Popescu Sorin Caciula Lacramioara	ELECTRICA SERV, SISE Muntenia Nord
3.	S3-4	State of the art and perspectives regarding the technical diagnosis of power transformers	Felea Ioan Boja Ionel Barla Eva	Universitatea din Oradea

No	Code	Title of the paper	Authors	Company
4.	S3-6	Program for Configuration Management of Operation Schemes on Modern Electric Distribution Networks	Tomoiaga Bogdan Chindris Mircea Cziker Andrei Miron Anca	TRANSELECTRICA, UnO-DEN  Universitatea Tehnica din Cluj-Napoca
5.	S3-11	Modern technologies for data transmission in case of operators of transport	Hazi Gheorghe Hazi Aneta Popa Sorin Malaia Vasile	Universitatea "Vasile Alecsandri" din Bacau  TRANSELECTRICA, ST Bacau
6.	S3-8	Absorbent Water Battery set up in the Tank of Oil Transformers	Rusu Ioan	ELECTRICA, SISE Muntenia Nord

## KEY ISSUE 2: POLITICS AND STRATEGIES FOR DEVELOPING THE TRANSPORT AND SUPPLY POWER GRID. UPDATING THE LEGISLATIVE, INSTITUTIONAL AND ORGANIZING FRAMEWORK

### PANEL:

Chairman	Eng. Costica Vlad, ELECTRICA
Member	Eng. Marian Geanta, ELECTRICA
Member	Eng. Marian Florea, TRANSELECTRICA
Rapporteur	Eng. Valentin Branescu, ELECTRICA
Secretary	Eng. Gabriela Dobrescu, ELECTRICA

### MONDAY 16 JUNE 2008, 16.00-18.00, COMPLEX AMBASADOR, HALL COCKTAIL

No	Code	Title of the paper	Authors	Company
1.	S3-1	HVDC Links: Modern Solutions for Power Transmission	Eremia Mircea Toma Lucian Bulac Constantin Tristiu Ion Otomega Bogdan	Universitatea Politehnica Bucuresti

<b>No</b>	<b>Code</b>	<b>Title of the paper</b>	<b>Authors</b>	<b>Company</b>
2.	S3-19	Power quality monitoring issues in modern industrial electric systems	Lipan Laurentiu Postolache Petru Golovanov Nicolae	Universitatea Politehnica Bucuresti
3.	S3-20	Sustainable development of urban utilities networks. Urbistic	Lipan Laurentiu Postolache Petru	Universitatea Politehnica Bucuresti
4.	S3-30	Necessity and opportunity of building a new line of 400kV between Gadalın and Suceava in the context of EU requirements regarding the environment, security of the supply and the electricity markets	Preotescu Dan Petrescu Dan Albert Hermina Popescu Anca Marcu Bogdan	TRANSELECTRICA  ISPE
5.	S3-31	The criteria adopted to choose the route line of 400 kV OHL Gadalın – Suceava, taking into account the requirements of EU legislation	Visan George Stefanescu Florin Kaytar Emil Boncu Luigi Filipescu Paul Soceanu Gheorghe Ciurumelea Bogdan Matei Nicolae Voicu Elena Matea Catalin	TRANSELECTRICA ISPE  TRACTEBEL
6.	S3-32	Incentive scheme on quality of distribution service in Romania	Marin Otilia	ANRE
7.	S3-7	New approaches for static state estimation in power systems	Gavrilas Mihai Ivanov Ovidiu	Universitatea Tehnica Gheorghe Asachi Iasi
8.	S3-15	Teleprotection systems for 220 kV OHL with three ends	Balasiu Florin Moraru Gheorghe	TRANSELECTRICA, DEN SMART, Suc. Sibiu

## KEY ISSUE 3: CURRENT PROBLEMS IN DEVELOPING OF REGIONAL ELECTRICITY MARKETS

### PANEL:

Chairman	Eng. Razvan Purdila, TRANSELECTRICA
Member	Eng. Gheorghe Visan, TRANSELECTRICA
Member	Eng. George Budurea, ELECTRICA
Rapporteur	Dr. Eng. Dan Preotescu, TRANSELECTRICA
Secretary	Eng. Simona Oprea, TRANSELECTRICA

### WEDNESDAY 16 JUNE 2010, 14.00-15.30, COMPLEX AMBASADOR, HALL COCKTAIL

No	Code	Title of the paper	Authors	Company
1.	S3-10	Influence of consumer operation in the metallurgical industry in Banat area on the flicker indicator	Rusu Adrian Chiosa Nicolae Chiosa Irina	TRANSELECTRICA
2.	S3-14	Effects of maintenance programs and upgrading projects in the transmission network on power system security and energy markets	Balarescu Rodica Radoi Cristian	TRANSELECTRICA, UnO-DEN
3.	S3-16	Monitorization impact of electrical equipments on human health – priority of CNTEE Transelectrica in policy of security and health	Raducanu Alice Stefan Marin Marcolt Cornelia Suvergel Camelia	TRANSELECTRICA  ICEMENERG
4.	S3-21	System reliability versus free electricity market	Cernat Marian	TRANSELECTRICA, UnO-DEN
5.	S3-22	Integrated system of online ETG monitoring parameters, part of the SMART GRID development. Case study: ST Sibiu	Gal Stelian Zaharescu Valentin Fagarasan Traian Oltean Marius Moldoveanu Constantin	TRANSELECTRICA, ST Sibiu  SMART Sibiu NOVA Industrial
6.	S3-25	Analysis of the North-East area of the national energy system from the point of view of integrating the wind power plants	Stanescu Oana Oprea Simona	TRANSELECTRICA

## KEY ISSUE 4: THE DEVELOPMENT OF INFRASTRUCTURE AND THE INTEGRATION OF RENEWABLES IN ELECTRIC POWER SYSTEM

### PANEL:

Chairman	Eng. Razvan Purdila, TRANSELECTRICA
Member	Eng. Gheorghe Visan, TRANSELECTRICA
Member	Eng. Corneliu Stan, ELECTRICA
Rapporteur	Dr. Eng. Dan Preotescu, TRANSELECTRICA
Secretary	Eng. Simona Oprea, TRANSELECTRICA

### WEDNESDAY 16 JUNE 2010, 16.00-18.00, COMPLEX AMBASADOR, HALL COCKTAIL

No	Code	Title of the paper	Authors	Company
1	S3-26	Real time decision management of the power system	Erbasu Cornel Ion Gusa Daniela	TRANSELECTRICA, DEN
2.	S3-28	The use of fuel cells as an energy source for internal services at power stations	Ardelean Ilie Sinc Bogdan Kilyeni Stefan Lustrea Bucur	TRANSELECTRICA, ST Timisoara Universitatea „Politehnica” Timișoara
3.	S3-29	The use of fuel cells as a source of energy for self services feeding. Case study - station 220/110 kV Sacalaz	Ardelean Ilie Chiosa Nicolae Kilyeni Stefan Borlea Ioan Lustrea Bucur	TRANSELECTRICA, ST Timisoara Universitatea „Politehnica” Timișoara
4.	S3-33	Recruiting, training and authorizing on the appointment of the operational command personnel for the system operator	Erbasu Cornel Ion Ciupuliga Adela Elena Iordache Gabriela	TRANSELECTRICA, DEN
5.	S3-34	Integration of Renewable Resources in the National Power System, using the results of the European Commission project „FENIX”. Case Study: "Hidroelectrica" Bistrita and Sibiu Branch	Gal Stelian  Balasiu Florin  Sanduleac Mihai Comanescu Daniela Spatari Ovidiu Mardale Adrian	TRANSELECTRICA, ST Sibiu TRANSELECTRICA, UnO-DEN Ecro SRL HIDROELECTRICA

<b>No</b>	<b>Code</b>	<b>Title of the paper</b>	<b>Authors</b>	<b>Company</b>
6.	S3-35	Expanding by marketing means of limited economic resources and confirming the reliability of MR products through a trial period created by the Pilot Project – Monitoring of 200MVA Powerautotransformer in Fantanele Substation from Sibiu Subsidiary of CN Transelectrica SA – the opportunity of research of technical state of the powertransformer units in - service by good parameters over the normal life	Moraru Aurora Moraru Gheorghe	TRANSELECTRICA SMART Sibiu
7.	S3-36	The role of EMS SCADA systems within smart transmission grids	Bolborici Daniela	TRANSELECTRICA, UnO-DEN
8.	S3-37	The congestion management in the National Power System	Miga-Papadopol Mioara	TRANSELECTRICA, UnO-DEN
9.	S3-38	Polymeric electrolyte membrane fuel cell	Udrea Oana	TRANSELECTRICA
10.	S3-39	Idling losses of equipment (OHTL, Transformers and Autotransformers) Accounts SIBIU ST	Metiu Vasile	TRANSELECTRICA, ST Sibiu
11.	S3-40	Proposals to enhance the National Power Grid in Moldova in terms of development projects of wind power plants	Oprea Simona Borza Cornelia Stanescu Oana	TRANSELECTRICA
12.	S3-41	The using of the Modern Techniques for Protecting Busbars in Transmission Networks	Miron Alexandru Viziteu Ioan Pentiuc Radu-Dumitru Popa Cezar-Dumitru Bobric Crenguta	TRANSELECTRICA Bacau TELETRANS Bacau  Universitatea "Stefan cel Mare" Suceava
13.	S3-42	Analysis of accidental events in power transmission grids by clustering techniques	Barbulescu Cecilia  Grigoras Gh. Carti Gh. Bobric Elena-Crenguta	TRANSELECTRICA  Universitatea Tehnica "Gh. Asachi" Iasi Universitatea Suceava

## KEY ISSUE 5: INCREASING THE ENERGY EFFICIENCY

### PANEL:

Chairman	Eng. Ioan Rosca, ELECTRICA
Member	Eng. Horatiu Herbei, ELECTRICA
Member	Eng. Mioara Miga Papadopol, TRANSELECTRICA
Member	Prof. Dr. Eng. Mircea Chindris, Technical University of Cluj-Napoca
Rapporteur	Eng. Ovidiu Georgescu, ELECTRICA
Secretary	Eng. Gabriela Dobrescu, ELECTRICA

### THURSDAY 17 JUNE 2010, 14.00-15.30, COMPLEX AMBASADOR, HALL COCKTAIL

No	Code	Title of the paper	Authors	Company
1.	S3-5	Assessment of energy efficiency for urban electric transport systems	Felea Ioan Csuzi Istvan Dale Emil Dan Florin	Universitatea din Oradea  OTL Oradea
2.	S3-9	Economy of electrical energy, raw material and materials with help of cold welding by pressing on cogged surfaces	Georgescu Bogdan	Universitatea "Dunarea de Jos" Galati
3.	S3-12	Improving the observability of the electricity distribution networks	Arama Iulian Nicusor Borsan Ion	Electrica Distributie Muntenia Nord, SD Galati
4.	S3-13	Efficiency increase of power quality analysis using virtual instrumentation	Miron Anca Chindris Mircea Cziker Andrei	Universitatea Tehnica din Cluj-Napoca
5.	S3-17	Power quality issues raised by dispersed generation	Porumb Radu Lipan Laurentiu Pisica Ioana	UPB
6.	S3-18	The impact of homogenization on the protection system through the IEC 61850 protocol at process level in a power substation	Anghelescu Sebastian	TRANSELECTRICA
7.	S3-23	Methods of shaping the load curve using distributed generators	Stepanescu Ilie Fotau Ion Stepanescu Andreea	Universitatea din Petrosani
8.	S3-24	A comprehensive energy efficiency strategy and policy – join international Solid – State Lighting efforts	Matei Stelian	HIDROELECTRICA Hateg Arel – Lumina LED
9.	S3-27	The evaluation of reliability of power transformers based on the experton method (nonlinear expertise – counter-expertise version)	Carlan Miltiade Oltean Maria Albut Daniel	FORMENERG Universitatea Oradea Universitatea Oradea

## SECTION 4: OIL AND GAS

### PANEL:

Chairman	Dr. Eng. Petru Lificiu, ANRE
Member	Eng. Marcel Piteiu, ROMGAZ
Rapporteur General	Eng. Florin Tobescu, ANRE
Secretary	Eng. Mirela Plesca, ANRE

## KEY ISSUE 1: EFFICIENT TECHNOLOGIES FOR OIL AND GAS EXTRACTION, TRANSPORT AND DISTRIBUTION. ASSURING THE SECURITY OF OIL AND GAS SUPPLY

### PANEL:

Chairman	Dr. Eng. Petru Lificiu, ANRE
Member	Eng. Marcel Piteiu, ROMGAZ
Rapporteur	Eng. Florin Tobescu, ANRE
Secretary	Eng. Mirela Plesca, ANRE

## MONDAY 14 JUNE 2010, 14.00-15.30, CONFERENCE CENTER BAZIN CLUB, HALL CINEMA

No	Code	Title of the paper	Authors	Company
1.	S4-14	Design Requirements Imposed on Seismic Safety Valves for Dangerous Fluids	Rau Dan Corneliu Ghica Daniela Alexandru Ovidiu Bala Cecilia Georgian Corina	INCDFP  EUROTEST
2.	S4-17	Security culture applied at the natural gas pipeline	Zecheru Ion Irimia	ANRE
3.	S4-19	The advantage of the rules on a natural gas market	Chisalita Dumitru	ROMGAZ
4.	S4-8	Side – track, re-entry and deepening – viable procedures for brown gas fields rehabilitation	Stefanescu Dan Paul Sutoiu Florinel Vlasin Ioana	ROMGAZ
5.	S4-10	Increase of the regional energetically security by incrementing the numbers of the underground gas storages and amplification of the process capacity reservation for more users	Tataru Argentina Stefanescu Dan Paul Negoescu Cornel	ROMGAZ

## KEY ISSUE 2: REGIONAL OIL AND GAS ENERGY RESOURCES AND TECHNOLOGICAL OPTIONS

### PANEL:

Chairman	Prof. Dr. Eng. Gheorghe Buliga, SIPG
Member	Drd. Eng. Eugen Georgescu, ANRE
Member	Dr. Eng. Radu Gheorghe, ROMGAZ
Rapporteur	Eng. Florin Tobescu, ANRE
Secretary	Eng. Mirela Plesca, ANRE

### MONDAY 14 JUNE 2010, 16.00-18.00, CONFERENCE CENTER BAZIN CLUB, HALL CINEMA

No	Code	Title of the paper	Authors	Company
1.	S4-5	Underground gas storage, key factor for continuity and security of supply	Radu Gheorghe Sandu Valentin	ROMGAZ
2.	S4-4	Deep water offshore operations	Toma Adrian	TAI
3.	S4-12	Increase of the recovery factor from the Badenian age reservoirs located in the Transylvanian Basin area	Tataru Argentina Simescu Nicolae Sutoiu Florinel	ROMGAZ
4.	S4-2	Risk Management in Gas Pipelines	Calcatinge Valeriu Albu Sabin	TRANSGAZ
5.	S4-11	Real time monitoring implementation of the technical flux in the activity of natural gas production	Simescu Ana – Maria Dobrescu Dumitru Sandor Balasz	ROMGAZ
6.	S4-25	Geo-mechanical study of Vadu salt deposit, in view of the construction of an underground natural gas or carbon storage facility	Cotes Danut	Asociatia Tinerilor pentru Excelenta

## KEY ISSUE 3: LIBERALIZED AND INTEGRATED OIL AND GAS MARKETS WITHIN THE EUROPEAN ENERGY MARKET

### PANEL:

Chairmen	Prof. dr. eng. Aureliu Leca; Prof. dr. eng. Virgil Musatescu, UPB
Member	Eng. Marcel Piteiu, ROMGAZ
Member	Dr. eng. Dumitru Chisăliță, ROMGAZ
Rapporteur	Eng. Florin Tobescu, ANRE
Secretary	Eng. Mirela Plesca, ANRE

WEDNESDAY 16 JUNE 2010, 14.00-15.30, CONFERENCE CENTER BAZIN CLUB, HALL CINEMA

No	Code	Title of the paper	Authors	Company
1.	S4-15	Proposals for a new energy strategy of Romania	Leca Aureliu Musatescu Virgil	Universitatea Politehnica Bucuresti
2.	S4-16	Opportunity for investment in Romanian energy sector and the possible role of gas sub-sector in view of energy - climate change legal package	Musatescu Virgil Leca Aureliu	Universitatea Politehnica Bucuresti
3.	S4-7	Underground storage of natural gas in the current economy – need or business	Nenisanu Marius Csiki Sandor	ROMGAZ
4.	S4-20	Informing the gas consumers from the perspective of the third legislative package	Peptea Agatha	E.ON Romania.
5.	S4-21	A vision of natural gas in Romania in the light of the year 2020	Piteiu Marcel Chisalita Dumitru	ROMGAZ

## KEY ISSUE 4: ENVIRONMENT PROTECTION AND SUSTAINABLE DEVELOPMENT. AN INTEGRATED APPROACH

### PANEL:

Chairman	Prof. dr. eng. Aureliu Leca, UPB
Member	Dr. eng. Ionuț Purica, Institute of Economic Forecasting, Romanian Academy
Member	Prof. dr. eng. Gheorghe Buliga, SIPG
Rapporteur	Eng. Florin Tobescu, ANRE
Secretary	Eng. Mirela Plesca, ANRE

### WEDNESDAY 16 JUNE 2010, 16.00-18.00, CONFERENCE CENTER BAZIN CLUB, HALL CINEMA

No	Code	Title of the paper	Authors	Company
1.	S4-1	Increase the oil reserves and decrease pollution by CO <sub>2</sub> injection into the OMV PETROM depleted oil fields	Trasca – Chirita Nicolae Baciu Mihai – Ciprian Crangasu Mircea	OMV PETROM
2.	S4-18	Radioactive waste from oil/natural gas extraction and processing	Mauna Traian Mauna Andriesica	AREN
3.	S4-22	Contribution of the emissions from combustion to global warming	Buliga Gheorghe	SIPG
4.	S4-13	Tendences in remediation of contaminated sites from oil and gas extracting industry in Romania	Basceanu Camelia Tache Carmen Maracineanu Gelu Tache Ion Antonio	IAT GLOBAL Ploiesti
5.	S4-9	A study performed by S.N.G.N Romgaz S.A. on drilling waste management in accordance with the legal requirements	Foidas Ion Stefanescu Emilia	ROMGAZ
6.	S4-6	Foam breaking technique and device used in the gas extraction process	Constantin Eugeniu Radu Gheorghe	ROMGAZ
7.	S4-28	Comments on the possibility to implement a lifeline rate for the gas to the residential consumers in Romania	Purica Ionut	IPE Academia Romana

## KEY ISSUE 5: INCREASING THE ENERGY EFFICIENCY

### PANEL:

Chairman	Prof. dr. eng. Virgil Musatescu, UPB
Member	Eng. Gina Petrescu, MDRT
Member	Eng. Lucian Stancu, ROMGAZ
Rapporteur	Eng. Florin Tobescu, ANRE
Secretary	Eng. Mirela Plesca, ANRE

THURSDAY 17 JUNE 2010, 14.00-15.30, CONFERENCE CENTER BAZIN CLUB, HALL CINEMA

No	Code	Title of the paper	Authors	Company
1.	S4-23	From mc to kwh on natural gas market	Chisalita Dumitru	ROMGAZ
2.	S4-24	Energy efficiency in buildings	Petrescu Gina	MDRT
3.	S4-3	Energy generation as subsidiary process within oil & gas industry	Toma Adrian	TAI
4.	S4-26	CO <sub>2</sub> Capture and Storage in exhausted gas reservoirs	Colceriu Radu Dioane Raul Itu Razvan	ROMGAZ CNH Petrosani
5.	S4-27	Reduction of natural gas used in heating furnaces	Gaba Aurel Olariu Nicolae Mantescu Gabriela Olteanu Liviu	Universitatea Valahia din Targoviste

## SECTION 5: COAL, URANIUM AND RENEWABLE SOURCES

### PANEL:

Chairman	Alexandru Patruti, ANRM
Member	Eng. Sorin Mihai Gaman, ANRM
Member	Eng. Claudius Mihai Radu, ANRM
Member	Dr. Eng. Teodor Chirica, AMEC NNC Romania
Member	Prof. Dr. Eng. Ion Stratan, University of Chisinau, Republic of Moldova
Rapporteur General	Eng. Dana Lupescu, ANRM
Secretary	Eng. Iarmila Ghitan, ANRM

## KEY ISSUE 1: NUCLEAR

### PANEL:

Chairman	Dr. Eng. Teodor Chirica, AMEC NNC Romania
Member	Prof. Dr. Eng. Petre Ghitescu, UPB
Member	Eng. Adrian Panait, RAAN-CITON
Rapporteur	Eng. Mircea Metes, Nuclearelectrica
Secretary	Eng. Andrei Goicea, Nuclearelectrica

## MONDAY 14 JUNE 2010, 14.00-15.30, CONFERENCE CENTER BAZIN CLUB, HALL BILIARD

No	Code	Title of the paper	Authors	Company
1.	S5-25	Role of nuclear on Romanian energy mix	Budulan Pompiliu	NUCLEARELECTRICA
2.	S5-26	Cernavoda NPP – Over 10 years of successful operation	Goicea Andrei Casota Mihai Metes Mircea	NUCLEARELECTRICA
3.	S5-27	Controlling chaotic induced vibrations of nuclear steam generators tube bundles	Purica Ionut	IPE Academia Romana
4.	S5-28	The impact of the new Recommendations of International Commission's on Radiological Protection (ICRP), Publication 103 "Recommendation of the ICRP, Annals of the ICRP" on the National Legislation	Aranghel Ionela Staicu Gheorghe Madgalin Nusa Bogdan Simona	RAAN-SITON
5.	S5-29	The Impact of the Nuclear Program Development in Romania on the National Radwastes Management Strategy	Radu Maria Panait Adrian Barariu Gheorghe Negut Gheorghe Litescu Cristian	RAAN-SITON  Agentia Nucleara si pentru Deseuri Radioactive

No	Code	Title of the paper	Authors	Company
6.	S5-30	Generation III Reactors – The Nuclear Renaissance	Cojan Mihail	ICN Pitesti
7.	S5-31	SITON's contribution to the deep geological repository concept development in Romania	Toma Ruxandra Barariu Gheorghe Sociu Florin	RAAN-SITON

## KEY ISSUE 2: RENEWABLES

### PANEL:

Chairman	Dr. Eng. Ion Potarniche, ICPE ACTEL
Member	Prof. Dr. Eng. Ion Stratan, University of Chisinau, Republic of Moldova
Member	Prof. Dr. Ing. Darie Tudor, Maritime University of Constanta
Member	Eng. Popescu Mihaela, ANRE
Rapporteur	Dr. Fiz. Dan Teodoreanu, ICPE
Secretary	Eng. Adriana Milandru, ISPE

## MONDAY 14 JUNE 2010, 16.00-18.00, CONFERENCE CENTER BAZIN CLUB, HALL BILIARD

No	Code	Title of the paper	Authors	Company
1.	S5-32	ICPE ACTEL – provider of “energy efficiency”	Potarniche Ion	ICPE ACTEL
2.	S5-33	Establishment authorizations for wind power plants	Popa Adina Monica Popescu Mihaela Teodoroiu Victor Molnar Alexandru Leonte Aurel	ANRE
3.	S5-34	20 MW Wind Farm in the Fagaras Mountains – Housed Wind Turbines	Frunza Ghiocel	HIDROELECTRICA, SH Curtea de Arges
4.	S5-35	Connecting and operating requirements for wind power plants	Mihaescu Marius  Folescu Ioan Toader Cornel Mihaescu Simona	FDEE ELECTRICA DISTRIBUTIE MUNTENIA NORD, SDEE Targoviste ELECTRICA UPB Universitatea Valahia Targoviste
5.	S5-36	Renewable Energy sources – great expectations and potential for Romania	Groza Catalina Ivan Roxana Ignat Alexandra	Ministerul Economiei ISPE

No	Code	Title of the paper	Authors	Company
6.	S5-37	Optimization of EU support schemes for renewable energy sources for electricity generation, heating and cooling	Dobrin Marian Mitroi Lidia	ISPE
7.	S5-38	Leveraging the development of national biomass strategies & action plans at EU level – BAP-Driver	Lermen Alexandra Himbergen Har Jossart Jean Marc Ignat Alexandra Milandru Adriana Constantinescu Ileana	DENA Germania SenterNovem Olanda AEBIOM Belgia  ISPE
8.	S5-39	Promoting the use of structural funds and cohesion funds for EE and RES investments in new member states - PromoSCene	Van Beeck Nicole Mader Silke Nadege Austin Evangelos Mathas Constantinescu Ileana Milandru Adriana	SenterNovem, Olanda AEA Austria ADEME Franta CRES Grecia ISPE

### KEY ISSUE 3: EFFICIENT TECHNOLOGIES

#### PANEL:

Chairman	Eng. Mihai Sorin Gaman, ANRM
Member	Eng. Claudius Mihai Radu, ANRM
Member	Eng. Constantin Jujan, CNH Petrosani

### WEDNESDAY 16 JUNE 2010, 14.00-15.30, CONFERENCE CENTER BAZIN CLUB, HALL BILIARD

No	Code	Title of the paper	Authors	Company
1.	S5-3	A technical, economical and ecological evaluation of the natural gas life cycle	Badea Adrian Dinca Cristian	Universitatea Politehnica Bucuresti
2.	S5-7	Increasing the efficiency of the conveyors by speed variation of the rubber mat depending on the load	Burlan Daniel Dafinoiu Mihail Simerea Vasile Baluta Victor	SNLO SA Tg. Jiu
3.	S5-8	Superior recovery of lignite. Obtaining humic acids from lignite	Dafinoiu Mihail Tomescu Liviu Seimeanu Nicolae	SNLO SA Tg. Jiu

No	Code	Title of the paper	Authors	Company
4.	S5-13	Aspects regarding the corrosive effects and deposits developed in the installations of biomass with coal co-firing	Radulescu Corina Pasculete Elisabeta Predescu Ioana Macavescu Victor Vaireanu Danut Mihaescu Lucian Prisecaru Tudor Zamfir Simona	OVM-ICCPET  Universitatea Politehnica Bucuresti
5.	S5-15	Energy from glycerine	Bolma Ion Bombos Dorin	ECOTECH PROIECT
6.	S5-19	New approach of coal byproduct radioactivity	Mauna Traian Mauna Andriesica	AREN
7.	S5-23	Complex mechanization – way to improve the effectiveness of the underground extraction of coal	Ilias Nicolae Andras Iosif Gruneantu Iosif Radu Sorin Petrar Adrian Hoara Marcel	Universitatea din Petrosani  Agentia Nationala de Dezvoltare Durabila a Zonelor Industriale Universitatea din Petrosani
8.	S5-24	Premises referring to the reference terms for the formalization of the restructuring of Romanian energetic extractive sector	Mihaileanu Alin Gaf-Deac Ioan Ilias Nicolae	SNSH București Universitatea din Petrosani

## KEY ISSUE 4: REGIONAL ENERGY RESOURCES AND TECHNOLOGICAL OPTIONS

### PANEL:

Chairman	Alexandru Patruti, ANRM
Member	Eng. Claudius Mihai Radu, ANRM
Member	Dr. Eng. Gavril Baican, PATROMIN

### WEDNESDAY 16 JUNE 2010, 16.00-18.00, CONFERENCE CENTER BAZIN CLUB, HALL BILIARD

No	Code	Title of the paper	Authors	Company
1.	S5-1	Influence of the mineral components of the Romanian low-grade fuels bituminous – shale on the calorific content and on deposits during processes in steam generators	Balan Valentina	ICEMENERG

No	Code	Title of the paper	Authors	Company
2.	S5-5	The future of hard-coal extraction in Jiu Valley's coal basin in the context of new European energetic policies	Chiril Gheorghe Jujan Constantin	CNH SA Petrosani
3.	S5-6	Unconventional technologies applicable for energetic potential capitalization of Jiu Valley hard coal	Chiril Gheorghe Jujan Constantin	
4.	S5-10	Research on a new energy recovery from hard coal bed of Preghedea	Mihaescu Lucian Prisecaru Tudor Pisa Ionel Popescu Radu Adam Adrian Nistorescu Dan Barbieru Ion	Universitatea Politehnica Bucuresti  ICEMENERG
5.	S5-20	Modern solutions for preparation, transport and evacuation of gypsum resulted following flue gas desulphurization, applied within the Turceni Thermal Power Plant pollution abatement project	Danciu Laviniu Banica Valerica Stoian Andrei	Complexul Energetic Turceni
6.	S5-16	The reduction of CO <sub>2</sub> by storing it in the Jiu Valley coal seams and recovering of the methane gas resulted from this process	Dioane Raul Adrian Itu Razvan Bogdan Colceriu Radu Andrei	CNH Petrosani  ROMGAZ
7.	S5-22	Strategy and policy of energetic resources exploitation in Romania	Gaf-Deac Ioan  Marinescu Cicerone	SNSH Bucuresti  Solar Energy Interactiv Pitesti

## KEY ISSUE 5: COAL AND ENVIRONMENT PROTECTION

### PANEL:

Chairman	Eng. Claudius Mihai Radu, ANRM
Member	Dr. Eng. Gavril Baican, PATROMIN
Member	Eng. Mihai Sorin Gaman, ANRM

### THURSDAY 17 JUNE 2010, 14.00-15.30, CONFERENCE CENTER BAZIN CLUB, HALL BILIARD

No	Code	Title of the paper	Authors	Company
1.	S5-2	The appearance of the discontinuous subsidence phenomenon in the mining perimeter Lupeni	Itu Razvan Bogdan Dioane Raul Adrian Dinca Cristian	CNH Petrosani

<b>No</b>	<b>Code</b>	<b>Title of the paper</b>	<b>Authors</b>	<b>Company</b>
2.	S5-4	Reducing the CO <sub>2</sub> emission	Jianu Dumitru	SIPG
3.	S5-9	Research regarding the framing in the environmental requirements at the Rosia de Jiu coal deposit	Burlan Daniel Popescu Ion Berca Marius	SNLO SA Tg. Jiu
4.	S5-11	Techniques to Upgrade ESPs to Meet New Emissions Requirements	Francis Stephen L.	Alstom Power Inc. USA
5.	S5-12	Possible solutions for increasing the thermoelectrical plant efficiency and for pollution decreasing	Serban Viorel Panait Adrian Tenescu Mircea Mingiuc Constantin Nita Iulian Androne Marian Ciocan George Zamfir Angela Prisecaru Ilie	RAAN-SITON  Universitatea Politehnica Bucuresti ICEMENERG UPB  ICEMENERG
6.	S5-14	Quantifying greenhouse gases emissions from energy-intensive industrial processes	Stanculea Adina Patrascu Roxana Pauna Gheorghe Jalba Cristian	ICEMENERG  ICEMENERG
7.	S5-17	Incineration of municipal waste – possible to apply solution in Romania in the light of the new Directive 2008/98/EC?	Matei Magdalena Soare Barbara Nedelcu Otilia Salisteanu Cornel Udroiu Iulian Mihaescu Simona	Universitatea Valahia Targoviste
8.	S5-21	Integrated waste management at county level. Accessing EU funds. Case Studies	Maita Madalina Matei Sorin Atudorei Alexei Frant Doina	ISPE  Ministerul Mediului si Padurilor

## POSTER SESSION

MONDAY 14 JUNE 2010, 8.30-18.00 and TUESDAY 15 JUNE 2010, 8.30-18.00, Conference Center Neptun, Hall Calatis

No	Code	Title of the paper	Authors	Company
1.	Sp-93	Challenges and opportunities for the hydropower sector and Hidroelectrica within the energy market indicating solutions for the settlement of the extant blockages	Mihailescu Eliade	HIDROELECTRICA
2.	Sp-18	Implementation of a database for the management of energy meters using Microsoft Access at S.H. Bistrita	Sarsaniuc Ciprian	HIDROELECTRICA, SH Bistrita
3.	Sp-19	Reducing electrical consumptions in hydro power plant by corect transformers rehabilitation	Comanescu Daniela Cartina Gheorghe Grigoras Gheorghe	HIDROELECTRICA, SH Bistrita Universitatea Tehnica "Gh. Asachi" Iasi
4.	Sp-3	About optimizing the functioning of HA 1,2 from Hydro Power Plant CHE Ruienii	Rota Dumitru Chioralia Lucian Cornoiu Marius	HIDROELECTRICA, SH Caransebes
5.	Sp-55	Turning to account the hydroelectrical potential by private financing	Teleanu Mihai	HIDROELECTRICA
6.	Sp-66	Optimization of the nominal power of the hydro-power plant units. Case study at Tismana hydropower plant	Tilea Catalin Fatu Ion Popescu Catalin	HIDROELECTRICA
7.	Sp-67	Increasing the efficiency of the water resources use at hydropower plants	Fatu Ion Popescu Catalin	HIDROELECTRICA
8.	Sp-68	Operative rotary valve control installation revamping – Vidraru HPP	Oprea Florian Tiroiu Bogdan	HIDROELECTRICA, SH Curtea de Arges
9.	Sp-69	Optimal cams implementation for Kaplan's turbines upgraded automatic speed regulators in SH Curtea de Arges	Suhan George	HIDROELECTRICA, SH Curtea de Arges
10.	Sp-70	Power transformers in Stejaru Plant. Operation supervision	Ursut – Avram Antoaneta - Talida Melinte Cornel	HIDROELECTRICA, SH Bistrita
11.	Sp-71	Studies on the use of whirlpool in micro-hydropower	Marian Marius Gh.	HIDROELECTRICA

<b>No</b>	<b>Code</b>	<b>Title of the paper</b>	<b>Authors</b>	<b>Company</b>
12.	Sp-72	Influence of culture on the human resources in organizations Research period: 2006-2010	Stancu Ionela	HIDROELECTRICA
13.	Sp-73	Impact of the climate change on Vidraru accumulation and Vidraru hydro power plant energy production. Case study within the framework of the EU-FP6 CLAVIER project	Sora Vasile Micu Dana Matreata Marius	HIDROELECTRICA
14.	Sp-54	Developing the hydro-energetic potential of a water course by microhydroplants (MHC) on the mountain area in cascade system	Banu Cristian	
15.	Sp-11	The influence of the hydrogenerator on harmonic deforming regime	Cornoiu Marius Chioralia Lucian Rota Dumitru	HIDROELECTRICA, SH Hateg
16.	Sp-56	Importance of EROEI factor in the power strategy	Teleanu Mihai	HIDROELECTRICA
17.	Sp-53	Opportunities geothermal heating. Case study University of Oradea	Blaga Casian - Alin Gavrilescu Ovidiu	Universitatea din Oradea
18.	Sp-60	Using of the hybrid wind-hydro power plant for supplying with electric energy the insulated settlements not connected to the grid	Leach Florina Vadan Ioan Munteanu Radu Capatana Dan Calarasu Alina	Universitatea Tehnica Cluj Napoca  IPA Cluj Napoca
19.	Sp-61	Operation analysis of a solar – thermal equipment with forced circulation	Bratu Cristian Mircea Ion	Universitatea din Craiova
20.	Sp-77	Wind energy	Handra Alina Daniela Ciotor Nicolae Radu	G.S.I.E Turceni
21.	Sp-52	Automated PV cell sun tracking system	Pisica Ioana Postolache Petru Tomescu Leonard	Universitatea Politehnica Bucuresti
		Efficient power network data processing	Pisica Ioana	Universitatea Politehnica Bucuresti
22.	Sp-62	Residential combined heat and power system based on proton exchange membrane fuel cells	Tirnovan Radu Vadan I. Balan H. Botezan A. Breaz Elena	Universitatea Tehnica Cluj Napoca

<b>No</b>	<b>Code</b>	<b>Title of the paper</b>	<b>Authors</b>	<b>Company</b>
23.	Sp-80	Technologies for future – fuel cells - gas turbine	Abacioaie Anca Matei Aurel	ISPE COLTERM SA Timisoara
24.	Sp-88	Street lighting photovoltaic	Badea Constantin	ISPE
25.	Sp-84	Increasing the lucrativeness of the thermal energy power systems through the integration of the renewable energy resources – Case study: Uricani town	Irina Ciucasu Valentin Stan Gabriela Novac Sanda Hamzu	ISPE
26.	Sp-79	Recovering energy from municipal waste in Romania. Case studies	Atudorei Alexei Atudorei Luminita Rusu Valentin Mitrita Eugen	ISPE
27.	Sp-85	Technological solutions for biogas energy recovery	Rugiubei Alexandru Tanasescu George	ISPE
28.	Sp-86	Alternative energies – hydrogen – fuel of the future	Matache Sorin Pahopol Andreas	ISPE
29.	Sp-12	Trends in hybrid organic – inorganic solar cells	Girtu Mihai Dumbrava Anca Oprea Corneliu Moscalu Florin Oprea Camelia Popovici Ionela	Universitatea Ovidius Constanta
30.	Sp-15	The temperature influence on the operation of photovoltaic plants	Dorobantu Loredana Popescu Claudia Popescu Mihai	Universitatea Politehnica Bucuresti, Facultatea de Inginerie Electrica
31.	Sp-127	The application of the modern designing principles in the public lightning	Duta Marian Diga Silvia Popescu Daniela Nita Adrian	INCDIE-ICMET Craiova Universitatea din Craiova INCDIE-ICMET Craiova Universitatea din Craiova
32.	Sp-128	Relevant aspects regarding the selection of the optimum secondary methods for the desulphurization of the burn-gases coming from the energetical boilers	Duta Marian Diga Silvia Brojboiu Maria Popescu Daniela	INCDIE-ICMET Craiova Universitatea din Craiova INCDIE-ICMET Craiova

**WEDNESDAY 16 JUNE 2010, 8.30-18.00 and THURSDAY 17 JUNE 2010, 8.30-15.30, Conference Center Neptun, Hall Calatis**

<b>Nr</b>	<b>Code</b>	<b>Title of the paper</b>	<b>Authors</b>	<b>Company</b>
1.	Sp-2	Gas turbine cogeneration – viable alternative for upgrading centralized systems of thermal power production to the population	Vereha Liviu Nicolai Burcoveanu Alexandru Ene Marin Melinte Horia Avram Cristian	LOIAL IMPEX TURBO TECH LOIAL IMPEX
2.	Sp-9	The European Project GROUND-MED “Advanced ground source heat pump systems for heating and cooling in Mediterranean climate”	Mendrinou Dimitrios Karytsas Kostas Rosca Marcel	Centre for Renewable Energy Sources and Saving, Greece Universitatea din Oradea
3.	Sp-10	Solutions for Production of High Performance Heavy Ductile Iron Castings for Windmills in Romania	Ripostan Iulian Chisamera Mihai Stan Stelian	Universitatea Politehnica Bucuresti
4.	Sp-17	Operational elements in shaping the energy consumption behaviour	Dale Emil  Dumitrescu Danut Dizac Simena Popper Laurentiu	ELECTRICA Furnizare Transilvania Nord  Universitatea Oradea
5.	Sp-20	Characterization ambient electromagnetic environment with electromagnetic mark	Cucu Monica Popescu Mihai Octavian  Popescu Claudia	Univ. Politehnica Bucuresti
6.	Sp-22	Banki turbine with power adjustment	Darzan Mihai Dumitrache Marius Ozon Alin	Total Electric Oltenia
7.	Sp-27	European Project “Renewable Energies Transfer System – RETS”	Rugina Maria	ICEMENERG
8.	Sp-64	Energy dialectics	Morariu Marius	FORMENERG
9.	Sp-65	Internal marketing – the premisis of the human resources efficiency in the energy system	Florescu Dragos Munteanu Maria	FORMENERG
10.	Sp-106	Establishing a limit value for the global efficiency of a combined heat and power system	Mircea Ion Ruieneanu Liviu Gosea Ion	Universitatea din Craiova

<b>No</b>	<b>Code</b>	<b>Title of the paper</b>	<b>Authors</b>	<b>Company</b>
11.	Sp-107	Analysis of the operational performance of the equipment for coal industry	Andras Andrei Cornescu Alina	Universitatea din Petrosani
12.	Sp-78	Economic system of public lighting	Pentiuc Radu Mahalu George Mahalu Claudiu Popa Cezar-Dumitru	Universitatea "Stefan cel Mare" Suceava Universitatea Tehnica Iasi Universitatea "Stefan cel Mare" Suceava
13.	Sp-49	Further improvement in energy saving coming from variable speed driving applications at one HPP	Guzun Basarab Anghel Elena Iobagel Anca Daescu Ionita	Universitatea Politehnica Bucuresti Apele Romane, Alba Iulia SYSCOM
14.	Sp-83	Energy view of BSEC Countries – A regional approach	Vasile Camelia	ISPE
15.	Sp-113	Measurement, analysis and efficiency measures for power consumptions recorded in a public lighting network. Case study	Iacob Ana Alexandrescu Ramona Salceanu Cristian Ionescu Ion Racovitan Irina	ICMET Craiova  ICEMENERG
16.	Sp-114	Modern techniques for the transmission of data on energy consumption for public lighting increasing energy efficiency	Racovitan Irina Ionescu Ion Iacob Ana Alexandrescu Ramona Salceanu Cristian	ICEMENERG  ICMET Craiova
17.	Sp-48	Management of reference parameters and real parameters from technological process of producing electricity and thermal energy in an unified database utilized as a technical support for tracking and analyzing of power plant working based on economic and energy efficiency criteria	Fratila Zachie Manolache Adrian	ICEMENERG
18.	Sp-63	"Peak Oil" and the economy of the energy resources	Morariu Marius Florescu Dragos	FORMENERG
19.	Sp-81	Increase of industry energy efficiency	Petre Marius Balan Mihai	ISPE CET Govora
20.	Sp-82	Ecological innovations in architecture	Ochinciuc Cristina Raducu-Lefter Andreea Negoita Iolanda Dinu Mihai	UAUIM ISPE ISPE ISPE

<b>No</b>	<b>Code</b>	<b>Title of the paper</b>	<b>Authors</b>	<b>Company</b>
21.	Sp-87	Benefits of implementation of trigeneration equipments and systems. Possibilities of application at civil buildings	Gherghe Marius Rizea Oana	ISPE
22.	Sp-89	Considerations regarding the electricity generation using sludge from wastewater treatment plants	Tatar Romulus	Electrica Furnizare Transilvania Sud
23.	Sp-92	Geoinformatics Support for SmartGrids Strategies	Badut Mircea	OCPI Valcea
24.	Sp-51	Development strategy of energy policy. Evolution of energy consumption in the housing construction sector in Romania	Mircea Ion Dinu Radu Cristian Stan Ivan Felicia	Universitatea din Craiova
25.	Sp-115	Considerations referring to the sufficiency of energetic resources in Romania	Gaf-Deac Maria Gaf-Deac Ioan Marinescu Ioana	SNSH Bucuresti Roterm Instal Pitesti
26.	Sp-116	Balanced insulation of the buildings to maintain a thermal regime of conventionally favorable comfort	Marinescu Cicerone Marinescu Ioana Gaf-Deac Maria	Solar Energy Interactiv Pitesti Roterm Instal Pitesti SNSH Bucuresti
27.	Sp-117	Basis of the new thermal quasi-main regenerative regime condition of the buildings using the solar energy	Marinescu Cicerone Marinescu Ioana Maria Gaf-Deac	Solar Energy Interactiv Pitesti Roterm Instal Pitesti SNSH Bucuresti
28.	Sp-118	Expression of the technical and thermal comfort of the buildings	Marinescu Cicerone Gaf - Deac Ioan Ilias Nicolae	Solar Energy Interactiv Pitesti SNSH Bucuresti Universitatea din Petrosani

**MONDAY 14 JUNE 2010, 8.30-18.00 and TUESDAY 15 JUNE 2010, 8.30-18.00, Conference Center Bazin Club, Hall Bowling**

<b>Nr</b>	<b>Code</b>	<b>Title of the paper</b>	<b>Authors</b>	<b>Company</b>
1.	Sp-28	Power distribution infrastructure development and the impact of renewable energy sources	Vlad Costica Craciun Daniel Coman Constantin	FDEE ELECTRICA Distributie Muntenia Nord
2.	Sp-29	ISO 26000 "Social responsibility guidelines" – premises for sustainable development in the energetic system	Damian Gabriela Serafim Andrada	ICEMENERG
3.	Sp-30	Method for rigidity determination of an electrical energy system. Romanian case	Capatina Octavian Vadan Ioan	IPA Cluj Napoca Universitatea Tehnica Cluj Napoca
4.	Sp-91	Energy efficiency aspects at consumer side	Porumb Radu Golovanov Nicolae Postolache Petru Toader Cornel	Universitatea Politehnica Bucuresti
5.	Sp-110	Effects of privatization with CEZ as in electrical system from Romania	Stanescu Valentina	CEZ DISTRIBUTIE
6.	Sp-90	Trends of small consumer's energy demand	Varzaru Sorin Ilie Horvat Agnes	FFEE Electrica Furnizare Transilvania Sud, AFEE Mures
7.	Sp-111	Modern method of fire prevention and extinction at the autotransformers at refurbished buildings	Budan Mihai Dumitru Marin Stoicescu Emilia	TRANSELECTRICA, ST Pitesti
8.	Sp-95	Performances in achieveing frequency-power adjustment at Turceni Energy Complex at rehabilitated units	Motocu Marian Bralostiteanu Radu	CE Turceni
9.	Sp-94	Use of the livelised energy cost for energy technologies comparison	Arion Valentin Gherman Cristina Tutunaru Tatiana	Universitatea Tehnica a Moldovei
10.	Sp-96	On-line monitoring system for power transformers – case study	Moraru Gheorghe Lisman Catalin Moraru Aurora Farcas Adrian	SMART Sibiu  TRANSELECTRICA
11.	Sp-99	Modernization of devices and accessories mounted on power transformers, occasioned by the transition to the 400 kV	Cujba Tiberiu	Universitatea "Stefan cel Mare" Suceava

<b>No</b>	<b>Code</b>	<b>Title of the paper</b>	<b>Authors</b>	<b>Company</b>
12.	Sp-101	Technical solutions for improving the participation at the adjustment of Mariselu hydro units by modifying the steering device and replacing RAV	Chiorean Dorin Rogoz Ioan Runcan Viorel Poienariu Ioan Veres Ciprian	HIDROELECTRICA
13.	Sp-100	Luminescent composites materials based on polymer for lighting	Bantas Adriana Cioroianu Lelian Cioroianu Gabriela Prorocu Gela Muresan Laura	ICEMENERG UBB-ICCRR Cluj
14.	Sp-102	Advantages of using the fiber optic sensors for determining the winding temperature of power transformer units	Chiulan Traian Popa Badea	ICEMENERG
15.	Sp-33	Economic Considerations of the power transformers selection and operation	Popescu Sorin Caciula Lacrimioara Gulinschi Vasile Iliuta Mioara	ELECTRICA SERV, SISE Muntenia Nord
16.	Sp-34	Several considerations on the proper burial of power cables	Tabacaru Vasile	FDTEE ELECTRICA Distributie Muntenia N.
17.	Sp-35	Modern solution for improvement of electric contacts	Rusu Ioan	SISE Muntenia Nord
18.	Sp-39	Simple – click your way to energy savings in households – topten.info.ro	Barbuta Mariana Ghitulescu Mircea Rugina Vasile Badea Anca	ICEMENERG
19.	Sp-50	Operational elements in the modeling of energetic consumption behavior	Dumitrescu Danut Dzitac Simona Popper Laurentiu Dale Emil	Universitatea din Oradea AFEE Oradea
20.	Sp-104	Analysis of the deformable schemes from electrical networks on the basis of fractal dimensions of variation curves of voltage, current and instantaneous power	Voncila Ion Badea Nicolae Munteanu CRistian	Universitatea “Dunarea de Jos” din Galati
21.	Sp-105	Method for determining greenhouse gas emissions	Oprea Diana Jiri Tuma	Universitatea Tehnica din Praga (CVUT)
22.	Sp-42	Monitoring of Vidraru hydropower plant – ION Enterprise 6.0 solution	Stancu Florin	HIDROELECTRICA, SH Curtea de Arges
23.	Sp-43	Energy storage devices. Supercapacitors	Raducan Elena Gurguiatu Gelu Moraru Luminita	Universitatea “Dunarea de Jos” Galati

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24.	Sp-75	Programme for optimal energetical supplier solution in medium voltage network	Lupescu Maria Leca Aureliu	ENEL Distributie Muntenia Universitatea Politehnica Bucuresti
25.	Sp-76	Power consumption forecast system with support for collaborative working scenario	Bernea Monica Ungurean Ovidiu Pentiuc Radu Pentiuc Stefan Cezar Dumitru	Carpacement Holding Universitatea Stefan cel Mare Suceava
26.	Sp-1	Solutions for sustainable protection of copper – aluminium contacts from critical infrastructure of installations electricity distribution and transmission to ensure security and energy efficiency	Lacatusu Lucia Prorocu Gela Bantas Adriana	ICEMENERG
27.	Sp-112	Newest telemetering and teleinventory systems of electricity – current stage and perspectives	Zaharovits Eugenia	Biroul Roman de Metrologie Legala
28.	Sp-109	Trends in the field of measuring the electricity, reflected in the work of CT 164 Technical Committee, within the Romanian Standards Association	Buzac Elvira Ionescu Florica	Institutul National de Metrologie Asociatia de Standarde din Romania
29.	Sp-108	Aspects regarding modernization of High Power Laboratory for limiting the effects due to electromagnetic fields	Curcanu George Ionescu Horia Truta Daniel Chiciu Corneliu Zlatanovici Dan Zlatanovici Rodica Cicirone Cristinel Dumitrescu Sorin Izbasoiu Constantin Bucur Diana	ICMET Craiova
30.	Sp-119	Assessment of the hydrogenerators state based on their history of life analysis	Zlatanovici Dan Zlatanovici Rodica Cicirone Cristinel Dumitrescu Sorin Izbasoiu Constantin Bucur Diana	ICEMENERG
31.	Sp-26	Active power filters utilization to increase the electrical consumption efficiency	Gurguiatu Gelu Rosu Emil Munteanu Toader Balanuta Ciprian Raducan Elena	Universitatea Politehnica Bucuresti Universitatea “Dunarea de Jos” Galati
32.	Sp-126	Energy efficient air heating system utilizing microwave susceptor ceramic materials	Iordache Daniela Niculae Dumitru	ICEMENERG FITPOL

**WEDNESDAY 16 JUNE 2010, 8.30-18.00 and THURSDAY 17 JUNE 2010, 8.30-15.30, Conference Center Bazin Club, Hall Bowling**

No	Code	Title of the paper	Authors	Company
1.	Sp-74	CNE Cernavoda Plant Life Management Program Experience and Strategy	Delcea Liviu	NUCLEARELECTRICA, CNE Cernavoda
2.	Sp-57	Integrated approach of service safety concept and economic efficiency for particular condition of inspection programs designed for heavy water production unit at RAAN ROMAG Drobeta Turnu Severin	Dancanet Dorin Fako Raluca Avram Ion Borlan Titus	RAAN-SITON
3.	Sp-58	SCADA System for CANDU NPP-type primary heat transport system	Vlad Magdalena Popescu Mircea Popovici Ioan	RAAN-SITON
4.	Sp-59	A method of measuring the temperature of a module for intermediate dry spent fuel storage facility, using wireless technology	Zbaganu Alexandra Zarif Ioana Popescu Mircea	RAAN-SITON
5.	Sp-47	Self Regulator Valves, a step to increase nuclear safety of safety related system of Cernavoda NPP	Nita Iulian Bigu Melania Tenescu Mircea	RAAN-SITON
6.	Sp-46	Evaluation of heat transfer in a dry storage module of CANDU fuel employing ANSYS-CFX	Simionescu Gheorghe Bilegan Radu Nicolici Stefan	RAAN-SITON
7.	Sp-45	Advanced Techniques for Investigating of Fatigue Due to the Thermal Transients in Nuclear Equipment	Bilegan Radu Donos Haritina	RAAN-SITON
8.	Sp-5	Post – irradiation examination of the fuel elements tested in Triga-SSR Reactor	Uta Octavian Parvan Marcel Mincu Marin Ionescu Silviu Nita Raluca	RAAN-SCN Pitesti
9.	Sp-6	Improving the safety in operation of the PHWR CANDU 6 type NPP by the modification of the recirculation circuits of the PHT D <sub>2</sub> O feed and bleed pumps	Gujiu Silvia Ghetu Radu	RAAN - SITON
10.	Sp-8	National and international requirements implementation in new systems for nuclear safety and control & monitoring	Preda Marin Ana Emil Mugurel	RAAN - SCN Pitesti

<b>No</b>	<b>Code</b>	<b>Title of the paper</b>	<b>Authors</b>	<b>Company</b>
11.	Sp-13	Aspects on Earthquake Qualification of Fire Protection Systems in the Design of Nuclear Power Plants	Mocanu Horea	NUCLEARELECTRICA, CNE Cernavoda
12.	Sp-14	Cernavoda NPP Systematic Approach to Training	Valache Cornelia	NUCLEARELECTRICA, CNE Cernavoda
13.	Sp-16	Determination reserve heating platform Cernavoda Nuclear Power Plant after the parallel of Groups 1 and 2	Nita Iulian Bigu Melania Gheorghiu Mihai	RAAN-SITON
14.	Sp-21	CANDU 6 - project improvements obtained further to Cernavoda NPP operating experience reanalysing the turbine building ventilation system	Florian Laurentiu Mihai Iuliana	RAAN-SITON
15.	Sp-24	Modern 3D Design methods for Nuclear Power Plant	Stoica Medina Gheorghe Mihai Ilies Alexandru	RAAN-SITON
16.	Sp-31	Laboratory for characterization of spent nuclear fuel and high / medium level radioactive waste. Experimental results and performances	Dorojean Dorin Mincu Marin Androne Gabriela	RAAN - SCN Pitesti
17.	Sp-32	Burst tests on hydride Zircaloy-4 cladding tubes at room temperature	Nitu Alexandru Pitigoi Vasile	RAAN - SCN Pitesti
18.	Sp-97	On-line monitoring, control and diagnosis of static excitation equipment for synchronous generators using expert systems	Popovici Ioan Popescu Mircea Vlad Magdalena	RAAN-SITON
19.	Sp-98	Modern control solutions for main moderator system in CANDU Nuclear Power Plant	Mateescu Raluca Ciufu Laurentiu Popescu Mircea	RAAN-SITON
20.	Sp-36	Microbiologically influenced corrosion of brass tubes in a nuclear power plant	Tunaru Mariana Mihalache Maria Velciu Lucian Dragomir Maria	RAAN-SCN Pitesti
21.	Sp-123	Gadolinium isotopes abundance determination using ICP-MS	Dragomir Maria Ohai Dumitru Dumitrescu Iulia Furtuna Ion	RAAN-SCN Pitesti

<b>No</b>	<b>Code</b>	<b>Title of the paper</b>	<b>Authors</b>	<b>Company</b>
22.	Sp-122	Tests in Dynamic Regime on Some Materials Used in the Steam Generator	Velciu Lucian Popa Laurentiu Ionescu Viorel	RAAN-SCN Pitesti
23.	Sp-37	The influence of natrium chloride concentration on susceptibility to crevice corrosion of some titanium alloys	Popa Constantin Radulescu Maria Velciu Lucian Branzoi Ioan	RAAN-SCN Pitesti  Universitatea Politehnica Bucuresti
24.	Sp-38	Carbon steel corrosion susceptibility in presence of some organic acid traces	Stefanescu Doina Radulescu Maria Mogosan Simona	RAAN-SCN Pitesti
25.	Sp-40	The responsibility and the etics of safe management of radioactive wastes generated by the CNE Cernavoda, the key of nuclear power development in Romania	Barariu Gheorghe Fako Raluca Georgescu Roxana Sociu Florin Donos Haritina	RAAN-SITON
26.	Sp-41	Fuel sheath behavior under hydriding effect	Ionescu Silviu Uta Octavian Pitigoi Vasile Nitu Alexandru	RAAN-SCN Pitesti
27.	Sp-120	The Power Quality impact in grid energy efficiency	Munteanu Toader Gurguiatu Gelu Balanuta Ciprian	Universitatea "Dunarea de Jos" Galati
28.	Sp-121	INR Experience Concerning the Analysis and Diagnosis of the CANDU Steam Generator Tubing Material	Lucan Dumitra Mihalache Maria Velciu Lucian	RAAN-SCN Pitesti
29.	Sp-125	Increasing the security of the isotopic exchange plant from ROMAG PROD by reequipping the control room and implementing a distributed control system	Iliescu Dan Popescu Mircea Bolocan Constantin Blojii Virgil Carstea Dan	RAAN-SITON  RAAN – ROMAG-PROD