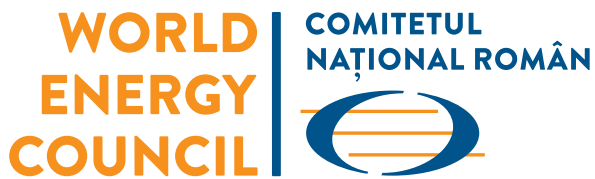
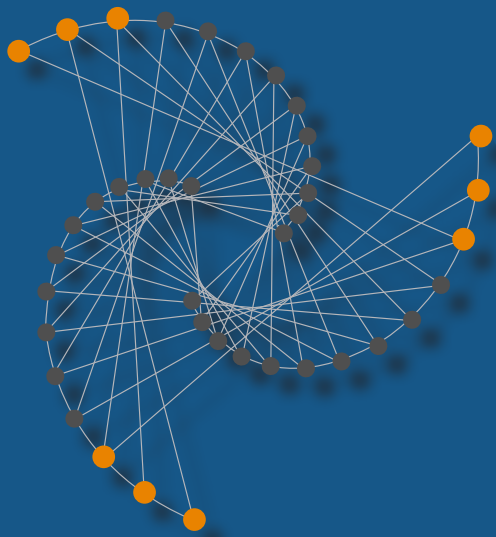


WITH THE SUPPORT
OF WORLD ENERGY COUNCIL



14TH REGIONAL ENERGY FORUM

Vox Maris Grand Resort
Costinesti, Romania
10-14 June 2018



FORUM PROGRAM

www.cnr-cme.ro/foren2018

FOREN 2018 PROGRAM

ISSN-L 2284-9491

ENERGY MINISTER'S MESSAGE



I congratulate you for organizing an important event of tradition, not only for Romania but also for Central and Eastern Europe.

I am glad that the 14th edition of FOREN overlaps with several events that impact on the field I coordinate. I am thinking in the first place of BRUA natural gas pipeline, whose construction is underway in Romania, after the Ministry of Energy issued this year the exhaustive decision for this project of common interest.

For Romania, BRUA is an opportunity to increase its influence in the region and to ensure its energy security. At the same time, BRUA is also the occasion for the double influence of our country on the regional electricity and natural gas markets.

The second important event I want to bring to question concerns the start of natural gas production in the Black Sea. 2018 is the year that I have the conviction that we will have the Offshore Law finalized, a vital law for the Black Sea exploits.

At the same time, 2018 is the year when decisions to invest in the Black Sea deposits from companies that have concessions there. I believe that all these cumulative directions will give a big role to Romania on the European energy market.

Finally, I wish you days of most pragmatic debates to be a real win for the National Energy System.

Anton Anton

Minister of Energy



HOSTING ORGANIZATION

FOREN 2018 is organized by the Romanian National Committee of the World Energy Council (WEC/RNC), with the kind support of the World Energy Council and WEC/RNC corporate and individual members.

The World Energy Council (WEC) is the largest global network of energy leaders and practitioners promoting an affordable, stable and environmentally sensitive energy system for the greatest benefit of all. Formed in 1923, the Council is the UN-accredited global energy body, representing the entire energy spectrum, with more than 3000 member organisations located in over 90 countries and drawn from governments, private and state corporations, academia, NGOs and energy-related stakeholders. The World Energy Council informs global, regional and national energy strategies by hosting high-level events, publishing authoritative studies, and working through its extensive member network to facilitate the world's energy policy dialogue. WEC hosts the triennial World Energy Congress, which is the premier international, multi-energy forum for participants to better understand energy issues and solutions from a global perspective. The 24th World Energy Congress, with main theme "Energy for prosperity", will be held in Abu Dhabi, United Arab Emirates from 7-14 September 2019.

The Romanian National Committee of World Energy Council (WEC/RNC) is a non-governmental organisation and a founding member of the World Energy Council, from 1924. WEC/RNC members are: important national companies, trade companies, energy producers, suppliers and distributors, national electricity and heat regulatory authorities; non-working organizations, decisions makers; governmental agencies, energy users, research and development institutes, universities etc. WEC/RNC represents the interests of its members (over 350 individuals and over 150 corporate members – legal entities) within the meetings and events organised by WEC; and contributes to decision making at worldwide level, with Romanian representatives in WEC's Study Groups. WEC/RNC organizes events on energy themes, in order to provide conclusions and recommendations in the energy field and to elaborate points of view regarding the official documents of energy policy.

WHO SHOULD ATTEND THIS FORUM?

The Forum is open to members of the World Energy Council, energy industry leaders, government ministers and officials, heads of international organizations, academics, media, WEC/RNC individual and corporate members interested in **"Central and Eastern Europe in the New Era of Energy Transition: Challenges, Investment Opportunity and Technological Innovation"**:

- Electric and thermal power producers and suppliers
- Fuel (oil, gas, coal) producers and suppliers
- Equipment and service producers and suppliers
- Research and design institutes
- Universities and research centers
- Energy consumers
- Governmental Institutions: ministries, regulatory authorities, regional and urban authorities
- Investors, banks, financial institutions
- Associations, non-profit professional organizations
- Mass-media

The organizers invited WEC Members Committees in Europe to join the largest WEC international event in Europe that provides to the speakers and participants an ideal platform for the promotion of their activities in Europe.

LANGUAGES

The official languages of the Forum are Romanian and English. Simultaneous translation (Romanian/English and English/Romanian) will be provided during the Forum. English speaking persons will be available to assist delegates in the hotels and on the tours.

PASSPORT AND VISA

Citizens of the countries of the European Union can enter Romania with a valid passport or National Identity Card.

Citizens of any other country should check the visa regulations that apply to them with the nearest Romanian Consulate.

CURRENCY AND CREDIT CARDS

The leu (plural: lei) is the currency of Romania. Foreign currencies may be exchanged at banks or authorized exchange offices. International airports and larger hotels also offer currency exchange services. Major credit cards including American Express, Mastercard and Visa are accepted in hotels and stores.

ABOUT ROMANIA



With a surface area of 92,043 square miles (238,391 km²), Romania is the largest country in southeastern Europe and the 12th-largest in Europe. The Danube river forms a large part of Romania's border with Serbia and Bulgaria, is joined by the Prut River, which forms the border with the Republic of Moldova, and flows into the Black Sea on Romanian territory, forming the Danube Delta, the largest delta in Europe, which is a biosphere reserve and World Heritage-listed site due to its biodiversity.

Romania's capital, Bucharest, is the sixth largest city in the EU. The Romanian Palace of Parliament in Bucharest is the second largest building in the world, next only to the Pentagon in the United States.

The Carpathian Mountains are home to one of the largest virgin forests in Europe. 400 unique species of mammals, including the Carpathian chamois, call the Carpathian Mountains home. 60% of European brown bear population lives in the Carpathian Mountains.

Romania has 7 UNESCO World Heritage Sites. These include: the Churches of Moldavia; the Dacian Fortress of the Orastie Mountains; the Historic Centre of Sighisoara; the Monastery of Horezu; the Villages with Fortified Churches in Transylvania; the Wooden Churches of Maramures; the Danube Delta.

Timisoara, one of the most beautiful and vibrant Romanian metropolises, was the first mainland European city to be lit by electric street lamps, back in 1884. As per international standards, it was second only to New York City.

In 2018 Romania celebrates 100 years since the Great Unification - in 1918, all the historical provinces inhabited by Romanians get together, within one single country.

COSTINEȘTI, YOUR HOST CITY

Costinești is a lovely seaside resort in Constanța County, Romania, located on the shore of the Black Sea, about 30 kilometres (19 mi) south of the county seat, Constanța.

The Costinesti resort, situated 2 km away from the National Road, completes the series of Romanian beaches with a fresh allure. The 1 km long beach is very crowded during summer, as it benefits of the sunlight during the whole day. The north side of the beach is tighter and has softer sand. The Costinesti beach is also visited for therapy purposes.

Two items have become representative for Cosinesti: the Obelisk in the center of the beach and the wreckage of the ship "Evangelhia".

In the south you can visit Golful Francezului (the Frenchman's Bay) - a natural swimming pool created by the sea trough the erosion of the limestone shore. For water sports lovers, there is Costinesti Lake (which has an area of 7 ha), where the tourists can sail the boat or hydro-bicycle. This lake is a very special one, being the only one that is not supplied from the underground.

The resort offers many chances and opportunities of outdoors activities, exploring the other coastal towns of the Romanian Dobogea, the city of Constanta and the interior is rich of natural parks, forests and very interesting towns and villages with ancient buildings and monuments dating back different periods. Many complex give the visitor the chance to play tennis, in summer there are several tournaments of beach volleys, and Beach Football, events and concerts.



VENUE: VOX MARIS GRAND RESORT

Vox Maris Grand Resort (4-star), the most luxurious location in Costinesti, is one of the most appreciated resorts on Romanian seaside because of its center position, short distance to the beach, quality services and the intimacy it offers.



Vox Maris occupies an area of 7 hectares and is located at 70 km away from the nearest airport (Kogalniceanu) and 250 km from Bucharest, the capital of Romania. The Costinesti Train Station is at 15-minutes away walking.

The resort offers 4-star premium accommodation in a complex of villas that provide over 270 double or twin rooms, one-bedroom suites and apartments with 2 or 3 rooms.

The rooms are cozy, designed in warm and peaceful colors, and equipped with air conditioning, private bathroom, balcony with view to the garden, flat-screen TV, minibar and telephone.

Vox Maris Grand Resort offers its guests 2 restaurants, "Stella Maris" and "Blue Lagoon" which extend around the pool terraces with Romanian and International cuisine.

There is an International Conference Center with 7 conference rooms (from 40 to 300 seats, equipped with full audio & video systems).

As for the kids, Vox Maris can offer them a swimming-pool and a playground.

Access inside the complex is allowed only to guests which are accommodated here, this assuring intimacy and a high level of safety.

Other Services:

- 24-hour front office
- Fitness centre, Bowling, Tennis, Billiards and Table Tennis
- Free Wi-Fi available in the public areas
- Garden
- Meeting/banquet facilities
- Luggage storage
- Free of charge parking
- Free access to Vox Maris Club.

Credit Cards accepted:

VISA, Mastercard, American Express, Maestro, Euro Line style, Euroline.

Further details: www.voxmarisclub.com.

ACCES ROUTES

International Transportation

Via Bucharest:

By road: A2 and E87

By air: arrival at Henri Coanda International Airport Otopeni (OTP), 16 km (10 miles) from downtown Bucharest.

By rail: arrival at the railway station "Bucuresti Nord"

Travelling schedules and two-way tickets (by plane/train) are the responsibility of each participant.

Via Constanta:

By road: E87

By air: arrival at Mihail Kogalniceanu International Airport, 50 km from Constantza

By rail: arrival at the railway station "Costinesti"

Local transportation

Bucharest-Costinesti

Official Travel Agent Weco Travel will provide the transport Bucharest-Costinesti-Bucharest.

Participants who request transportation Bucharest-Costinesti are expected to arrive at Hotel Ibis Gara de Nord, 143 Calea Grivitei Street, where coaches will take them to Costinesti (about 3 hours to drive).

Departure to Costinesti (directly to hotels) are scheduled on Saturday June 9th, 18⁰⁰h and on Sunday June 10th, 9⁰⁰h.

Departure from Costinesti (meeting in front of Vox Maris Grand Resort) are scheduled on Thursday June 14th, 18⁰⁰h and Friday June 15th, 9⁰⁰h.

Price for transfer: 25 euro/person/one way; 50 euro/person/round trip. *Further information: on the Forum website.*

Constanta-Costinesti-Vox Maris

By car: E87

By train: about 35 minutes from Constanta, arrival at the railway station "Costinesti"

By bus: with private buses that leave every 15 minutes from the train station in Constanta

Costinesti is at 31 km south from Constanta. Distance from Costinesti train station to Vox Maris is 1 km.

Transportation between Mihail Kogalniceanu International Airport and Vox Maris Grand Resort (65 km): by microbus provided on request by Weco Travel.

GPS Coordinates: N 43°56'31.0" E 28°38'02.8"

FACILITIES FOR DELEGATES

Delegate Bag

All delegates will receive the Delegate Bag at registration. The Delegate Bag contains the identification badge, Forum Proceedings, the final list of paper and poster sessions, invitations to the social events etc.

Badges

The badge with the name and country will be provided to each person attending the Forum (including delegates, special guests and organizers). Throughout the entire Forum period, Social Evenings and official events, the participants are asked to permanently wear their nominal access badge.

Internet Connection

Computers with Internet connection will be available for use by the delegates during the Forum. Wireless Internet access (Wi-Fi) will be also provided at the venue.

Enhanced Networking Opportunities

Registered delegates will receive information about this service at registration, along with a list of FOREN 2018 participants.

Conference Halls

A number of 7 Conference Halls are located in the International Conference Centre Vox Maris Grand Resort (Conference Hall Romania near the entrance and the other 6 conference Halls (Transilvania, Muntenia, Oltenia, Banat, Maramures, Moldova) inside the perimeter of resort. Each conference hall is equipped with multimedia projector, overhead projector, interpretation and translation (interpreters, translation systems, microphones), computer, screen etc.

REGISTRATION

REGISTRATION FEES

Participants	950 € + VAT (19%)
Accompanying person(s)	400 € + VAT (19%)
For participants from academic institutions and from the WEC member committees from Central and Eastern Europe	550 € + VAT (19%)
For accompanying persons of these participants	300 € + VAT (19%)
For Romanian participants	950 lei + VAT (19%)
For accompanying persons of Romanian participants	450 lei + VAT (19%)

The registration fee covers:

For participants: the Forum proceedings, attendance at all sessions, ear-phone translation, refreshments and social programme. For accompanying persons: attendance of important events and social programme.

Late registration:

Late registration of attendants and accompanying persons will be accepted during 10-14 June 2018 at the Forum Secretariat Desk which will be located at the entrance in Vox Maris Grand Resort, Costinesti.

Conditions for the refund of the registration fee:

- 100% if the non-participation is announced 15 days before
- 50%, if the non-participation is announced 5 days before
- 0%, if the persons registered do not attend the event and do not announce in a timely manner (5 days before) the non-participation.

REGISTRATION FORMS

The Registration Forms can be found on the Forum website www.cnr-cme.ro/foren2018.

You can use one of the following ways to register:

A. WEC/ Romanian National Committee	B. WECO TMC SRL
For attendance to Forum and FOREN 2018 services:	For accommodation and tourist tours:
The registration forms at: www.cnr-cme.ro/foren2018	The registration forms at: www.wecotravel.ro
By e-mail: foren2018@cnr-cme.ro	By e-mail: foren2018@wecotravel.ro
By mail: 1-3 Lacul Tei Blvd., 020371, Bucharest 2, Romania	By mail: 96 Zambilelor Str., 2nd floor, 023784, Bucharest 2, Romania

METHOD OF PAYMENT

WEC/ Romanian National Committee	WECO TMC SRL
Only for registration fee and FOREN 2018 services:	Only for accommodation, transfers and tourist tours:
By bank transfer. Please specify "For FOREN 2018"	By bank transfer. Please specify: "For FOREN 2018"
By cash, directly at WEC/RNC headquarters or at Forum venue	By credit cards: VISA, MASTERCARD. Please specify: card type, card number, card owner, card valability, your accept for the payment, CVC code. By cash, directly at WECO TMC representatives

BANK ACCOUNTS

Only for the registration fee and FOREN 2018 services: **Only for the accommodation, transfers and tourist tours:**

WEC/ Romanian National Committee	WECO TMC SRL
Banca Comerciala Romana (Romanian Trading Bank), Sector 3 Branch Office, Bucharest, Romania	Banca Transilvania
Ro lei account: RO65RNCB0074029230110001	Account Owner: WECO TMC SRL, mentioning "For FOREN 2018"
Euro account: RO43RNCB0074029230110009	Ro lei account: RO21 BTRL 0410 1202 1247 71XX
A copy of the bank transfer must be sent by e-mail at foren2018@cnr-cme.ro	Euro account: RO67 BTRL 0410 4202 1247 71XX
	A copy of the bank transfer must be sent by e-mail at: foren2018@wecotravel.ro or by fax: +4021 242 31 18

TIMETABLE FOREN 2018

Date	HOURS	TECHNICAL AND SOCIAL EVENTS						PLACE OF THE EVENTS	
9 June	12 ⁰⁰ -18 ⁰⁰	Welcome to attendants / Participants Registration						Vox Maris Grand Resort Costinesti, Romania	
	8 ³⁰ -18 ⁰⁰	Welcome to attendants / Participants Registration							
	Sunday, June 10	10 ⁰⁰ -12 ³⁰	THE OPENING CEREMONY INTERNATIONAL EXHIBITION EXPO FOREN 2018						Vox Maris Grand Resort Costinesti, Romania Expo Area
		15 ⁰⁰ -17 ⁰⁰	THE OPENING CEREMONY FOREN 2018 Offered by E-Distributie						Vox Maris Grand Resort Costinesti, Romania Romania Hall
		17 ⁰⁰ -17 ³⁰	Coffee break Offered by E-Distributie						
		17 ³⁰ -19 ⁰⁰	CONCERT / MUSICAL SHOW Offered by SN NUCLEARELECTRICA						
		19 ⁰⁰ -20 ⁰⁰	WELCOME COCKTAIL Offered by ADREM						
10-14 June	8 ³⁰ -18 ⁰⁰	INTERNATIONAL EXHIBITION EXPO FOREN 2018 (with the financial support of HIDROELECTRICA)							
Monday, June 11	HOURS	MAIN EVENTS			DISCUSSION SESSIONS AND ROUND TABLES				Expo Area
		CH 1 Romania 300	CH 2 Transilvania 150	CH 3 Muntenia 80	CH 4 Oltenia 80	CH 5 Banat 80	CH 6 Maramures 80	CH 7 Moldova 40	
	8 ³⁰ -10 ⁰⁰	Financing Resilient Energy Infrastructure KA 1	-	-	-	-	-	-	Poster Session
	10 ⁰⁰ -10 ³⁰	Coffee break							
	10 ³⁰ -12 ³⁰	-	-	DS 1.1	DS 2.1	DS 3.1	DS 4.1	DS 5.1	
	14 ⁰⁰ -15 ³⁰	World Energy Scenarios: E-Mobility RTF 1	Human Resources and Work Safety in Energy Systems WF 1	DS 1.2	DS 2.2	DS 3.2	DS 4.2	DS 5.2	
	15 ³⁰ -16 ⁰⁰			Coffee break					
	16 ⁰⁰ -18 ⁰⁰	-	-	RT 1	RT 2	RT 3	RT 4	RT 5	
	8 ³⁰ -18 ⁰⁰	SPECIAL PROGRAM FOR ACCOMPANYING PERSONS							
	Tuesday, June 12	HOURS	MAIN EVENTS			ROUND TABLES			
CH 1 Romania 300			CH 2 Transilvania 150	CH 3 Muntenia 80	CH 4 Oltenia 80	CH 5 Banat 80	CH 6 Maramures 80	CH 7 Moldova 40	
8 ³⁰ -10 ⁰⁰		Regional Energy Day: The World Energy Grand Transition. Disruption Trends, Environment Challenges, Security Requirements	-	-	-	-	-	-	Poster Session
10 ⁰⁰ -10 ³⁰		Coffee break offered by HONEYWELL ROMANIA							
10 ³⁰ -12 ³⁰		-	-	-	-	-	Corporate Films	RT 10	
14 ⁰⁰ -15 ³⁰		World Energy Resources RTF 2	Energy Efficiency WF 2	RT 6	RT 7	RT 8	RT 9	RT 10	
15 ³⁰ -16 ⁰⁰				Coffee break					
16 ⁰⁰ -18 ⁰⁰		-	-	RT 11	RT 12	RT 13	RT 14	RT 15	
8 ³⁰ -18 ⁰⁰		SPECIAL PROGRAM FOR ACCOMPANYING PERSONS							
Wednesday, June 13		HOURS	MAIN EVENTS			DISCUSSION SESSIONS AND ROUND TABLES			
	CH 1 Romania 300		CH 2 Transilvania 150	CH 3 Muntenia 80	CH 4 Oltenia 80	CH 5 Banat 80	CH 6 Maramures 80	CH 7 Moldova 40	
	8 ³⁰ -10 ⁰⁰	World Energy Trilemma	-	-	-	-	-	-	Poster Session
	10 ⁰⁰ -10 ³⁰	Coffee break							
	10 ³⁰ -12 ³⁰	-	-	DS 1.3	DS 2.3	DS 3.3	DS 4.3	DS 5.3	
	14 ⁰⁰ -15 ³⁰	Developments in Energy Transport (Oil and Gas). Cooperation within the Region RTF 3	Financing Sustainable Energy Development WF 3	DS 1.4	DS 2.4	DS 3.4	DS 4.4	DS 5.4	
	15 ³⁰ -16 ⁰⁰			Coffee break					
	16 ⁰⁰ -18 ⁰⁰	-	-	RT 16	RT 17	RT 18	RT 19	RT 20	
	8 ³⁰ -18 ⁰⁰	SPECIAL PROGRAM FOR ACCOMPANYING PERSONS							
	19 ⁰⁰ -21 ⁰⁰	DINNER PARTY offered by ACUE							
Thursday, June 14	HOURS	MAIN EVENTS			DISCUSSION SESSIONS				Expo Area
		CH 1 Romania 300	CH 2 Transilvania 150	CH 3 Muntenia 80	CH 4 Oltenia 80	CH 5 Banat 80	CH 6 Maramures 80	CH 7 Moldova 40	
	8 ³⁰ -10 ⁰⁰	Renewable Electricity System Integration KA 2	-	DS 1.5	DS 2.5	DS 3.5	DS 4.5	DS 5.5	Poster Session
	10 ⁰⁰ -10 ³⁰	Performance of Generating Plant RTF 4	Coffee break offered by EMERSON PROCESS MANAGEMENT ROMANIA						
	10 ³⁰ -12 ³⁰		-	-	-	-	-	-	
	12 ³⁰ -13 ⁰⁰	Lunch break	-	Lunch break					
12 ³⁰ -14 ⁰⁰	FOREN 2018 MESSAGE AND PAPER AWARDS								
14 ⁰⁰ -15 ⁰⁰	FOREN 2018 MESSAGE AND PAPER AWARDS								
June 15, 16, 17		POST - CONFERENCE VISITS							

Legend

CH	Conference Hall	RTF	Round Table at Forum level
DS	Discussion Session	RT	Corporate Round Table
DS 1.1	Discussion Session 1, preferential subject 1	WF	Workshop at Forum level
DS 1.2	Discussion Session 1, preferential subject 2	PS	Poster Session

MAIN EVENTS*

SUNDAY

THE OPENING CEREMONY FOREN 2018

The Forum Opening Ceremony will take place on **Sunday, June 10th, 2018, in Romania Hall.**

Programme:

15⁰⁰-17⁰⁰ h THE OPENING CEREMONY FOREN 2018

THEME: "CENTRAL AND EASTERN EUROPE IN THE NEW ERA OF ENERGY TRANSITION: CHALLENGES, INVESTMENT OPPORTUNITY AND TECHNOLOGICAL INNOVATIONS"

Organizers: WEC/RNC and E-Distribuție

MODERATOR *Iulian Iancu, WEC/RNC Chairman*

INVITED SPEAKERS

1. Anton ANTON, Ministry of Energy
2. Einari Kisel, Regional Manager for Europe, World Energy Council
3. Adrian Badea, President, Academy of Romanian Scientists
4. Ana Birchall, Vice Prime Minister, Romanian Government
5. Dănuț ANDRUȘCĂ, Minister, Ministry of Economy, Romania
6. GrațIELA Leocadia GAVRILESCU, Minister, Ministry of Environment, Romania (Tbc)
7. Temenuzhka PETKOVA, Minister, Ministry of Energy, Republic of Bulgaria (Tbc)
8. Miklós SESZTÁK, Minister, Ministry of National Development, Hungary (Tbc)
9. Aleksandar ANTIC, Minister, Ministry of Mining and Energy, Republic of Serbia (Tbc)
10. Dumitru CHIRIȚĂ, President, Romanian Energy Regulatory Agency (ANRE)
11. Gigi DRAGOMIR, President, Romanian Agency for Mineral Resources (ANRM)
12. Mihnea CRĂCIUN, Deputy Director, Romania, European Bank for Reconstruction and Development (EBRD)
13. Martin ZMELIK, Country Manager CEZ Group in Romania, CEO and President of the Management Board of CEZ Romania
14. Adrian Constantin RUSU, Directorate President, TRANSELECTRICA
15. Dan Cătălin STANCU, Director General ELECTRICA
16. Frank HAJDINJAK, Director General E.ON Romania
17. Eric STAB, President & CEO, ENGIE Romania
18. Georgios STASSIS, Country Manager ENEL Romania
19. Corneliu BODEA, President, Romanian Energy Center (CRE)
20. Corin Emil CINDREA, Director General, ROMGAZ
21. Marius Horia ȚUȚUIANU, Chairman, Constanta County Council

17⁰⁰-17³⁰ h **Coffee Break offered by E-Distribuție**

17³⁰-19⁰⁰ h **Concert / Musical show offered by SN NUCLEARELECTRICA**

Performed by Bucharest Metropolitan Orchestra, conducted by Daniel Jinga

19⁰⁰-20⁰⁰ h **Welcome Cocktail offered by ADREM**

**Moderators and Speakers confirmed by May 15, 2018*

SESSION KA 1**KEYNOTE ADDRESS****THEME: "FINANCING RESILIENT ENERGY INFRASTRUCTURE. CHALLENGES AND SOLUTIONS"****Monday morning, June 11th, 2018, 8³⁰-10⁰⁰ h and 10³⁰-12³⁰ h, Romania Hall****Organizers:** WEC/RNC and CNTEE TRANSELECTRICA**MODERATORS**

- Prof. Virgil Muşatescu, Counselor, WEC/Romanian National Committee
- Doru Vişan, Secretary of State, Ministry of Energy
- Andreea Georgiana Florea, Directorate Member, CNTEE TRANSELECTRICA

INVITED SPEAKERSSESSION I: 8³⁰-10⁰⁰

1. Elena Popescu, Director General, Ministry of Energy
2. Representative of Romanian Academy
3. Alexandru Săndulescu, EU High-Level Adviser on Energy Policy, Ministry of Economy and Infrastructure, Republic of Moldova
4. Tudor Constantinescu, Principal Adviser to the Director General for Energy, European Commission
5. Maria Mănicuță, Director General, Romanian Energy Regulatory Authority (ANRE)
6. Alexandru Valeriu Binig, Partner, Advisory, Ernst & Young SRL

SESSION II: 10³⁰-12³⁰

1. Prof. Emeritus Mircea Eremia, University „Politehnica” of Bucharest
2. Bogdan Belciu, Partner, Management Consulting, PwC Romania
3. Adrian Şuţa, Director, CNTEE TRANSELECTRICA
4. Livioara Sujdea, Chief Distribution Officer, ELECTRICA
5. Ioana Gheorghiaide, Executive Director, Romanian Trading Bank
6. Mihnea Crăciun, Deputy Director, Romania, European Bank for Reconstruction and Development (EBRD)

SESSION RTF 1**ROUND TABLE AT FORUM LEVEL****THEME: "WORLD ENERGY SCENARIOS. E-MOBILITY: AN OPTIMIZATION OF SOLUTIONS FOR ENERGY, TRANSPORT AND ENVIRONMENT"****Monday afternoon, June 11th, 2018, 14⁰⁰-15³⁰ h and 16⁰⁰-18⁰⁰ h, Romania Hall****Organizers:** WEC/RNC and ELECTRICA**MODERATORS**

- Călin Vilt, Counselor, WEC/Romanian National Committee
- Einari Kisel, WEC Regional Manager for Europe

INVITED SPEAKERSSESSION I: 14⁰⁰-15³⁰

1. Zulandi Van Der Westhuizen, E-Mobility Study Director, United Kingdom
2. Mihai Păun, Vice-President Romanian Energy Center (CRE)
3. Ion Dobrescu, Directorate President, Distribuție Oltenia
4. Sorin Elisei, Senior Consultant, Deloitte Romania
5. Mihai Ioanitescu, Marketing Strategy, Product Development & Portfolio Director, ELECTRICA
6. Cezar Dumitrescu, e-mobility Senior Project Manager, E.ON Servicii Tehnice

SESSION II: 16⁰⁰-18⁰⁰

1. Prof. Gianfranco Chicco, Politecnico di Torino and Ensiel Consortium, Italy
2. Dorin Dumitrescu, Chairman, ITS (Intelligent Transport Systems) Romania
3. Marius Tudor, Secretary General APIA (Automotive Manufacturers and Importers Association)
4. Cornel Brezuiță, President of Environment Fund Administration (Tbc)
5. Dumitru Federenciuc, Smart Grid Expert

SESSION WF 1 *WORKSHOPS AT FORUM LEVEL*

THEME: "HUMAN RESOURCES AND WORK SAFETY FOR ENERGY SYSTEMS"

Monday afternoon, June 11th, 2018, 14⁰⁰-15³⁰ h and 16⁰⁰-18⁰⁰ h, Transilvania Hall

Organizers: WEC/RNC, Deloitte Romania and University Politehnica of Bucharest

MODERATOR

- George Darie, Prorector, University Politehnica of Bucharest

INVITED SPEAKERS

1. Silvia Vlăsceanu, Executive Director, Federation of Associations of Energy Utility Companies (ACUE)
2. Răzvan Nicolescu, Executive Lead Advisor, Deloitte
3. Prof. Horia Necula, Dean, Faculty of Power Engineering, University Politehnica of Bucharest
4. Representative of National Qualification Authority
5. Ciprian Dragomir, Head of Department, HR - Social Relations Dept., CEZ
6. Luiza Banyai, HR Development Manager, ENEL
7. Carmen Dragomir, Management Consultant, Training & Partners Management Dept., ELECTRICA

TUESDAY

REGIONAL ENERGY DAY

THEME: "THE WORLD ENERGY GRAND TRANSITION. DISRUPTION TRENDS, ENVIRONMENT CHALLENGES, SECURITY REQUIREMENTS"

Tuesday morning, June 12th, 2018, 8³⁰-10⁰⁰ h and 10³⁰-12³⁰ h, Romania Hall

Organizers: WEC/RNC and ROMELECTRO

MODERATORS

SESSION I: 8³⁰-10⁰⁰

- Iulian Iancu, WEC/RNC Chairman
- Prof. Gianfranco Chicco, Politecnico di Torino and Ensiel Consortium, Italy

SESSION II: 10³⁰-12³⁰

- Einari Kisel, WEC Regional Manager for Europe
- Viorel Gafița, Romelectro President

KEYNOTE SPEAKERS

1. Magdalena-Andreea Străchinescu-Olteanu, Head of Unit, New energy technologies, innovation and clean coal, DG Energy, European Commission
2. Alessandro Clerici, Honorary Chairman, WEC Italy

INVITED SPEAKERS

1. Cristian Secoșan, General Manager, ROMELECTRO
2. Carmen Neagu, Director General, ENERGOBIT
3. Harald Reisinger, Managing Director, RadarServices - IT Cyber Security Managed Service
4. Andrei Berechet, Business Development Director, ADREM
5. Mircea Bozga, Partner, Assurance Services, PwC Romania
6. Alexandru Valeriu Binig, Partner, Advisory, Ernst & Young SRL
7. Ionuț Purica, Energy Expert, Romanian Academy
8. Claudiu Butacu, FEL Romania, energiaTa

TUESDAY

SESSION RTF 2**THEME: "WORLD ENERGY RESOURCES: MANAGEMENT OF PRIMARY ENERGY RESOURCES. CURRENT CHALLENGES"****Tuesday afternoon, June 12th, 2018, 14⁰⁰-15³⁰ h and 16⁰⁰-18⁰⁰ h, Romania Hall****Organizers:** WEC/RNC and National Agency for Mineral Resources (ANRM)**MODERATORS**

- Alexandru Pătruți, Counselor, WEC/Romanian National Committee
- Doru Vișan, Secretary of State, Ministry of Energy
- Sorin Gal, Director General ANRM

SESSION I: 14⁰⁰-15³⁰**INVITED SPEAKERS**

1. Răzvan Rădulescu, Head of Dept., Oil and Gas General Division, Ministry of Energy
1. Elena V. Nekhaev, Director, Generation Performance Management (GPM)
2. Sorin Gal, Director General ANRM
3. Ashutosh Shastri, Director Enerstrat, United Kingdom
4. Klaus Hammes, Chief Economist, Swedish Energy Agency

SESSION II: 16⁰⁰-18⁰⁰**INVITED SPEAKERS**

1. Saniya Melnicenco, Vice-President ROPEPCA (Romanian Petroleum Exploration and Production Companies Association)
2. Representative of Romanian Black Sea Titleholders Association (Tbc)
3. Sorinel Boza, Directorate President, Oltenia Energy Complex
4. Teodor Chirica, President FORATOM
5. Sorin Mihai Radu, Rector, University of Petrosani
6. Adrian Borotea, Executive Director, Romanian Wind Energy Association (RWEA)
7. Constantin Gheorghe, President, Regulatory Competent for Offshore Oil Operation at the Black Sea (Tbc)

SESSION WF 2**THEME: "ENERGY EFFICIENCY – A STRAIGHT PATH TOWARDS ENERGY SUSTAINABILITY"****Tuesday afternoon, June 12th, 2018, 14⁰⁰-15³⁰ h and 16⁰⁰-18⁰⁰ h, Transilvania Hall****Organizers:** WEC/RNC, ENERGOBIT, ANRE**MODERATORS**

- Vasile Rugină, Counselor, WEC/Romanian National Committee
- Viorel Alicuș, Director General, ANRE

SESSION I: 14⁰⁰-15³⁰**INVITED SPEAKERS**

1. Viorel Alicuș, Director General, ANRE
2. Carmen Neagu, Director General, ENERGOBIT
3. Răzvan Grecu, Chairman, Romanian Association for Promoting Energy Efficiency (ARPEE)
4. Prof. Roxana Pătrașcu, University Politehnica of Bucharest
5. Prof. Emilia-Cerna Mladin, President, Romanian Association of Energy Auditors for Buildings
6. Liviu Rențea, Senior Expert Power Plant Regulatory, OMV Petrom

SESSION II: 16⁰⁰-18⁰⁰

1. Cătălin Zamfir, Director, Research Institute for Quality of Life, Romanian Academy
2. Jachym Vohryzek, Advanced Solutions Sales Manager Central Europe, Honeywell
3. Gheorghe Dobra, Director General, ALRO Slatina
4. Alexandru Florea, Technical Development Specialist, Petrobrazi Refinery, OMV Petrom
5. Camelia Rață, Executive Director Executiv, Energy-Cities Romania Association
6. Oana Dumitru, FEL Romania, EFdeN

WEDNESDAY

ENERGY TRILEMMA**THEME: "ENERGY TRILEMMA. THE DEVELOPMENT OF THE DISTRIBUTED ENERGY SOURCES POLICY"****Wednesday morning, June 13th, 2018, 8³⁰-10⁰⁰ h and 10³⁰-12³⁰ h, Romania Hall****Organizers:** WEC/RNC and ANRE

MODERATORS

- Gheorghe Indre, Counselor, WEC/Romanian National Committee
- Viorel Alicuș, Director General, ANRE
- Elena Popescu, Director General, Ministry of Energy

SESSION I: 8³⁰-10⁰⁰

INVITED SPEAKERS

1. Gheorghe Indre, Counselor, WEC/Romanian National Committee
2. Sorin Petre, Partner, Advisory Services, PwC Romania
3. Adrian Borotea, Executive Director, Romanian Wind Energy Association (RWEA)
4. Prof. Nicolae Olariu, Chairman, Sun E

SESSION II: 10³⁰-12³⁰

INVITED SPEAKERS

1. Prof. Gheorghe Zaman, Director, Institute of National Economy, Romanian Academy
2. Silvia Vlăsceanu, Executive Director, Federation of Associations of Energy Utility Companies (ACUE)
3. Alexandru Valeriu Binig, Partner, Advisory, Ernst & Young SRL
4. Mihaela Jisa, Expert ANRE

SESSION RTF 3**THEME: "DEVELOPMENTS IN ENERGY TRANSPORT (OIL AND GAS). COOPERATION WITHIN THE REGION"****Wednesday afternoon, June 13th, 2018, 14⁰⁰-15³⁰ h and 16⁰⁰-18⁰⁰ h, Romania Hall****Organizers:** WEC/RNC and SNTGN TRANSGAZ

MODERATORS

- Nicolae Napoleon Antonescu, Honorary Rector Petroleum-Gas University of Ploiesti / WEC/RNC Counselor
- Nicolae Havrileț, Counselor to the Minister of Energy, Ministry of Energy
- Ion Sterian, Director General, SNTGN TRANSGAZ
- Andrew Costin, President Petroleum Club of Romania

SESSION I: 14⁰⁰-15³⁰

INVITED SPEAKERS

1. Cornel Zeveleanu, Director General, Ministry of Energy
2. Gigi Dragomir, President, Romanian Agency for Mineral Resources
3. Călin Chirteș, Head of Department, Distrigaz Sud Retele
4. Ion Sterian, Director General SNTGN TRANSGAZ
5. Eugenia Gusilov, Director and Founder Romania Energy Center (ROEC)
6. Corin Emil Cindrea, Director General ROMGAZ

SESSION II: 16⁰⁰-18⁰⁰

INVITED SPEAKERS

1. Mihail Minescu, Prorector, Petroleum-Gas University of Ploiesti
2. Dan-Silviu Baciu, Director General, CONPET Ploiesti
3. Frank Hajdinjak, Director General E.ON Romania (Tbc)
4. Daniel Vlăsceanu, Partner, Vlăsceanu, Ene & Partners
5. Laurentiu Pachiu, Managing Partner, Pachiu si Asociatii (Tbc)

SESSION WF 3

THEME: "FINANCING SUSTAINABLE ENERGY DEVELOPMENT"

Wednesday afternoon, June 13th, 2018, 14⁰⁰-15³⁰ h and 16⁰⁰-18⁰⁰ h, Transilvania Hall

Organizer: WEC/RNC

MODERATOR

- Ionut Purica, Energy Expert, Romanian Academy and WEC/RNC Counselor

KEYNOTE SPEAKER

- Magdalena-Andreea Străchinescu - Olteanu, Head of Unit DG Energy, Unit C.2 - New energy technologies, innovation and clean coal, European Commission

SESSION I: 14⁰⁰-15³⁰

INVITED SPEAKERS

1. Radu Dorcioman, Advisor to the DCEO, Otp Bank Romania
2. Prof. Angheluță Vădineanu, University of Bucharest
3. Representative of German Energy Agency DENA
4. Robert Ghelasi, Managing Partner, Energie Finanzierung und Kapital

SESSION II: 16⁰⁰-18⁰⁰

INVITED SPEAKERS

1. Mark Velody, Project Manager, EU-EBRD EEFF and ROSEFF, Tractebel Engineering
2. Zhou Zhan, Regional Country Manager, Kerui Petroleum, China
3. Ilie Turcu, Project Manager RATEN-ICN Pitesti – Institute for Nuclear Research
4. Sorin Dinu, Economic Analyst, Institute for Economic Forecasting, Romanian Academy

THURSDAY

SESSION KA 2

KEYNOTE ADDRESS

THEME: "RENEWABLE ELECTRICITY SYSTEM INTEGRATION: DEVELOPMENT OF ENERGY MARKETS IN EUROPE. COVERING ENERGY NEEDS IN THE CONTEXT OF MARKETS INTERCONNECTION"

Thursday morning, June 14th, 2018, 8³⁰-10⁰⁰ h and 10³⁰-12³⁰ h, Romania Hall

Organizers: WEC/RNC and OPCOM **Partner:** ICPE CA

MODERATORS

- Victor Ionescu, Chief Executive Officer, OPCOM
- Doina Ilișiu, Manager, CNTEE TRANSELECTRICA
- Nicolae Golovanov, Professor University Politehnica of Bucharest, WEC/RNC Counselor
- Sergiu Nicolaie, Director General ICPE CA

SESSION I: 8³⁰-10⁰⁰

1. Iuliana Pandele, Term and Certificates Trades Division, OPCOM
2. Otilia Marin, Director General ANRE
3. Cătălin Dragostin, Executive Manager, Energy-Serv
4. Doina Ilișiu, Manager, CNTEE TRANSELECTRICA
5. Florentina Bunea, ICPE CA

SESSION II: 10³⁰-12³⁰

1. Daniela Cristea, Term and Certificates Trades Division, OPCOM
2. Georgeta Ion, Energy Trades and Settlement Division, OPCOM
3. Doina Vornicu, Operation Director & Directorate Member, CEZ Romania
4. Ion Murgescu, ICPE CA

SESSION RTF 4

THEME: “TECHNICAL, ECONOMIC AND ENVIRONMENTAL PERFORMANCE OF GENERATING PLANT”

Thursday, June 14th, 2018, 10⁰⁰-13⁰⁰, Transilvania Hall

Organizer: WEC/RNC

MODERATORS

- Ovidiu Țuțuianu, Counselor, WEC/Romanian National Committee
- Doru Vișan, Secretary of State, Ministry of Energy
- Elena V. Nekhaev, Director, Generation Performance Management (GPM)

SESSION I: 10⁰⁰-11³⁰

INVITED SPEAKERS

1. Elena Nekhaev, Director, Generation Performance Management (GPM)
2. Dale Probasco, Managing Director, Global Generation Services, Energy, Navigant, USA
3. Ashutosh Shastri, Director Enerstrat, United Kingdom
4. Saravana Bhavan Balakrishnan, Chief Engineer, Thorne International Boiler Services Ltd
5. Jurgen Aydt, VGB Senior Manager

SESSION II: 11⁴⁵-13⁰⁰

1. Constantin Ioanițescu, Personal Counselor to Secretary of State Mr. Doru Vișan, Ministry of Energy
2. Dan Popescu, Head of Power Plants Operation, OMV Petrom
3. Adrian Borotea, Executive Director, Romanian Wind Energy Association (RWEA)
4. Ionel Ilie, Director, Oltenia Energy Complex
5. Gheorghe Țucu, Managing Director, VALEG CREATIVE SOLUTIONS

CLOSING CEREMONY

THEME: “THE MESSAGE OF THE FORUM. CONCLUSIONS AND RECOMMENDATIONS”

Thursday afternoon, June 14th, 2018, 14⁰⁰-15⁰⁰, Romania Hall

Organizers: WEC/RNC and ROMGAZ

MODERATOR

- Iulian Iancu, Chairman, WEC/RNC

AWARDS

FOREN 2018 PAPER AWARDS

Authors of the best papers from each session will receive diplomas of merit.
Special Awards will be granted for the best papers delivered by young energy professionals.

ROMANIAN ACADEMY, TECHNICAL SCIENCES SECTION, RENEWABLE ENERGY COMMITTEE AND WEC ROMANIAN NATIONAL COMMITTEE AWARDS

- **“Mircea Dimitrie Cazacu” Award** for the best PhD thesis in the field of Renewable Energy Sources
- **“Candida Oancea” Award** for a young researcher with outstanding results in the use of Renewable Energy Sources

INTERNATIONAL EXHIBITION EXPO FOREN 2018

EXPO FOREN 2018 will be held during the Forum, showcasing how to put in practice the theme: “Energy Technologies of the 21st Century: Security, Energy Efficiency, Environment, Renewables”. EXPO FOREN 2018 will present specific initiatives in energy for sustainable development, the latest global developments and technology trends from around the world.

The Exhibition package has been designed to provide the highest level of exposure for organizations wishing to promote their businesses to delegates from over the world. More than 30 Romanian and foreign companies will present new products and technologies, EXPO FOREN 2018 being the meeting point of the professionals in the energy field.

WHY EXHIBIT AT FOREN 2018

The Forum is expected to attract more than 600 well-known and highly appreciated specialists in the energy field from Romania and abroad. The participants will be managers and experts from all the electrical and thermal power production, transport and supply: fuel, oil, gas and coal producers and suppliers, design and research institutes in the energy field, ministries, national, regional and local authorities, national and foreign organizations with commitments and responsibilities in the production, transport and utilization of all kinds of energy and in environmental protection, bankers, trade companies.

This large participation offers an important and unique opportunity to present the achievements and the developments of your company in your field of competence.

EXHIBITOR PROFILE

Power Generation, Transmission and Distribution, Power Plants and Equipment, Alternative Sources of Energy, Co-generation, Boilers, Pipes, Valves and Pumps, Oil, Gas and Coal, Industrial Power - Electrical and Auxiliary Equipment, Engineering and Constructions, Nuclear Power Generation, Energy Saving Technology and Equipment, Software and IT Solutions, Renewable Energy, Government Agencies, Finance and Consulting.

VISITORS' PROFILE

Top professionals and key officials of the energy elite: Power Stations & Distribution Grids; Independent Power Producers; Investors and Employees; General Contractors, Engineering and Consulting Companies; Research and Design Institutes; Manufactures and Suppliers of Equipment; Major Industrial Enterprises; Local Administration.

EXPO FOREN 2018 is being organized by DK EXPO, one of the largest Romanian fair and exhibition organizing company. Thanks to the partnership with DK EXPO, exhibitors and visitors will have most benefit from this event.

FOREN 2018 SERVICES MARKET

We are pleased to invite the interested companies to participate as an active partner too, at the other services offered during the FORUM. On this occasion, the partner companies will have the opportunity to present their professional company profile in the following events:

PROJECTIONS OF TECHNICAL FILMS

Technical films will be shown on Tuesday, June 12th, 2018. A room accommodating 40 participants equipped with all the necessary devices for projection offers you the possibility to present the objectives, achievements and the professional profile of your company.

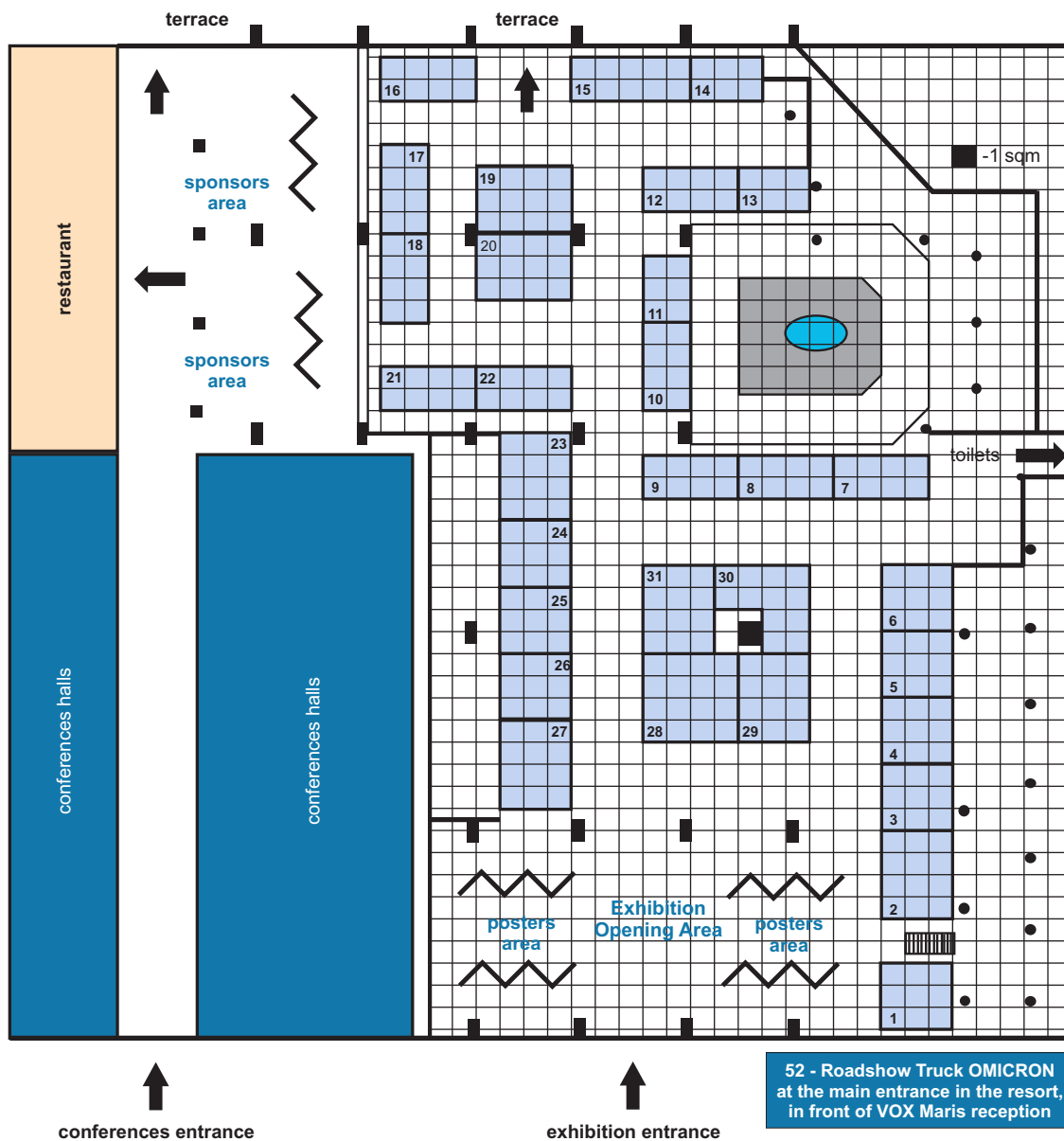
TECHNICAL VISITS: 15-17.06.2018

Companies will have the possibility to present the performance of their research and design departments, technical facilities etc., the duration of the visit being no longer than 1 day.



INTERNATIONAL EXHIBITION EXPO FOREN 2018

Vox Maris Grand Resort, Costinesti
10-14 June 2018



EXHIBITING COMPANIES*

1		9	ADREM	17		25	Electroalfa
2	ARC Brasov	10	ERC GmbH	18		26	Siemens
3	ARC Brasov	11	General Turbo	19		27	ANRM
4	ARC Brasov	12		20		28	Hidroelectrica
5		13		21		29	Transelectrica
6		14	Teledatanet	22	MET Romania Energy	30	Federatia ACUE
7	Scando Trading	15	FEL Romania	23	CE Oltenia	31	Electrica
8	E-Distribuție	16		24	Teletrans	52	Omicron GmbH

*as of May 15, 2018

ROUND TABLES

Leading figures in the energy industry and related fields will discuss key issues confronting the energy industry today and outline their views in possible approaches to those issues. Delegates will have the opportunity to present their views in the round tables discussions.

CORPORATE ROUND TABLES ORGANIZERS & THEMES*

	HOST	DATE / LOCATION	SUBJECT
RT 1	AFEER	Monday June 11 th , 16 ⁰⁰ -18 ⁰⁰ Hall Muntenia	Energy Market between the past and the blockchain
RT 2	Paicu & Sons Consulting	Monday June 11 th , 16 ⁰⁰ -18 ⁰⁰ Hall Oltenia	Commercial and Financial Risks - What is their impact on power producers in Romania?
RT 5	ERC GmbH	Monday June 11 th , 16 ⁰⁰ -18 ⁰⁰ Hall Moldova	ERC Technik SNCR Technology for Lignite Fired Energetic Boilers in Europe - Recent Applications in Romania
RT 7	SN NUCLEARELECTRICA	Tuesday June 12 th , 14 ⁰⁰ -15 ³⁰ Hall Oltenia	Nuclear Energy - Results and Perspectives
RT 13	SIEMENS	Tuesday June 12 th , 16 ⁰⁰ -18 ⁰⁰ Hall Banat	Digitalization & High Voltage Clean Air Technologies
RT 16	FEL Romania	Wednesday June 13 th , 16 ⁰⁰ -18 ⁰⁰ Hall Muntenia	Leadership Workshop: Youth's Role in the Energy Sector

*as of May 15, 2018

SOCIAL PROGRAMME

Delegates and accompanying persons are cordially invited to attend the following social events, which are covered by the registration fee:

SUNDAY, 10 JUNE 2018

THE OPENING CEREMONY

With the financial support of E-Distribuție

Time: 15⁰⁰-17⁰⁰ h

Venue: Vox Maris Grand Resort, Romania Hall

CONCERT / MUSICAL SHOW

With the financial support of SN NUCLEARELECTRICA

Performed by Bucharest Metropolitan Orchestra, conducted by Daniel Jinga

Time: 17³⁰-19⁰⁰ h

Venue: Vox Maris Grand Resort, Romania Hall

WELCOME COCKTAIL

With the financial support of ADREM

Time: 19⁰⁰-20⁰⁰ h

Venue: Vox Maris Restaurant

TUESDAY, 12 JUNE 2018

REGIONAL ENERGY DAY

With the financial support of ROMELECTRO

Time: 8³⁰-12³⁰ h

Venue: Vox Maris Grand Resort, Romania Hall

WEDNESDAY, 13 JUNE 2018

DINNER PARTY

Offered by ACUE

Time: 19⁰⁰-21⁰⁰ h

Venue: Vox Maris Restaurant

ACCOMODATION

A specialized and official travel agent WECO TMC will be at your disposal for room reservation, transfers and tourist visits. Participants are requested to contact this agent directly for all the services included in the Reservation Form (hotel accommodation, transfers, social and tourist programmes and the respective payments). Reservations have been made at 3 and 4-star hotels in Costinesti, on the Black Sea shore and in Bucharest 3 star hotel. Very attractive rates have been negotiated by the organizers.

Visiting the website www.cnr-cme.ro you will find Reservation Forms, informations about hotels, room types, room assignment and payments. The accomodation prices include breakfast and VAT. In order to secure your reservation it is necessary to receive payment confirmation until May 10th, 2018, to WECO TMC, by bank transfer, credit card or cash.

Cancellation/penalties:

- penalty 30% (handling fee) from the reservation deposit for cancellations made between May 10th to May 15th, 2018
- penalty 50% from the reservation deposit for cancellations made between May 16th to May 31th, 2018
- 100% penalties from the reservation deposit in case of "no-show".

The accomodation fees are guaranteed according to the reservation terms.

THE LIST OF HOTELS

IN COSTINESTI

VOX MARIS GRAND RESORT

category: 4*	fee for single (single room or double room in regime single/ night/ lei	fee for double room/ night/lei	suite/ night/ lei
• TV; minibar; phone; swimming pool; air conditioning			
standard room	350	450	-
apartment / junior suite 2 persons	-	-	520
apartment / junior suite 3 persons	-	-	600
apartment / junior suite 4 persons	-	-	720



STEFANIA

category: 3*	fee for single (single room or double room in regime single/ night/ lei	fee for double room/ night/lei
• TV; refrigerator; phone;		
room in hotel with AC	230	250
room in hostel with AC	190	210

City fee and parking will be payed directly by the guests at the reception



Accomodation fees include breakfast and VAT.

In case of payment in Euro currency, the exchange rate will be made in lei according with the Romanian National Bank exchange rate from the date of issue the invoice.

Official Travel Agent

WECO TRAVEL

96 Zambilelor Str., 2nd Floor, 023784, Bucharest 2, Romania

Phone: (+4021)242.23.23; Fax: (+4021)242.31.18

e-mail: foren2018@wecotravel.ro

Website: www.wecotravel.ro

ACCOMPANYING PERSONS PROGRAMME

A special and attractive programme has been prepared, comprising evening events and visits to museums, monuments of architecture and places of art or worship and many others. A representative from the tour operator WECO TRAVEL will be available for the accompanying persons.

The accompanying persons are requested to choose from the following tours (one day tour, for at least 12 persons):

11 June 2018

CONSTANTA SIGHTSEEING TOUR

09:00

Meeting in front of Vox Maris Grand Resort.
Departure to Constanta by coach.

Visit to Castrul Roman and archaeological sites.

13:00

Visit to the Dolphinarium Constanta

15:00

Departure to Vox Maris Grand Resort Costinesti.



12 June 2018 / 13 June 2018

09:00

Meeting in front of Vox Maris Grand Resort.

Transfer to the Europa Hotel Eforie Nord - yachting,
SPA center procedures, session on request.

14:30

Departure to Vox Maris Grand Resort, Costinesti.



Reservation / Payment

In order to secure your reservation, please contact directly the Official Travel Agent WECO TRAVEL no later than May 10th, 2018 and send to WECO TRAVEL the payment confirmation until May 15th, 2018.

Method of payment

- Bank transfer: Banca Transilvania, Account no. RO21BTRL04101202124771XX, to WECO TMC SRL, mentioning "For FOREN 2018". A copy of the bank transfer must be sent by fax at (+4021) 242 31 18.
- Credit card: VISA, MASTERCARD. Please specify: card type, card number, card owner, card valability, your accept for the payment, cvc code.
- Cash, directly at WECO TRAVEL representatives.

Cancellation/penalties:

- penalty 50% from the visit fee, for cancellations made between May 15th, 2018 and May 30th, 2018
- penalty 100% from the visit fee, for cancellations made after June 1st, 2018.

POST FORUM TOURS

The delegates can benefit from very attractive post-forum tours: Tour of the Black Sea Coast, the Danube-Black Sea Channel, Histria, Danube Delta, Prahova Valley, Time of Kings, The Days of Dracula, Bucharest-Romania's capital city etc.

For Register, participants are encouraged to use the online REGISTRATION FORMS on the Forum website www.cnr-cme.ro/foren2018. Also an representative of Official Travel Agent WECO TRAVEL will be present at the Registration Desk in Vox Maris Grand Resort.

15 June 2018 (one day)

VISIT AT CERNAVODA PLANT, WINE TASTING AT MURFATLAR WINE GROWER

10:00

Meeting in front of Vox Maris Grand Resort. Transfer by coach at Cernavoda

12:00

Arrival at Cernavoda Nuclear Plant. Visit of the objective

13:30

Departure to Murfatlar wine grower

14:30

Arrival at Murfatlar. Wine testing, 6 sorts; sandwiches

17:00

Departure to Costinesti.

HISTRIA, NORTH DOBROGEA AND DANUBE DELTA CRUISE

08:00

Meeting in front of Vox Maris Grand Resort. Departure to Histria Citadel

09:45

Visit at Histria and local museum

10:45

Departure to Celik Dere Monastery

12:00

Visit at Celik Dere Monastery

12:40

Departure to Saon Monastery

13:00

Lunch at Saon Monastery

14:00

Visit at Saon Monastery

15:00

Cruise with motor boat on the Danube Delta lake's

18:00

Arrival at Tulcea

18:30

Dinner in Tulcea at terrace restaurant

20:30

Return at Costinesti.

15-16 June 2018 (two days)

DANUBE DELTA

Day 1 - 15 June

08:00

Meeting in front of Vox Maris Grand Resort. Transfer by coach

11:30

Arrival in Tulcea. Visit of Danube Delta Museum

12:00

Ship trip on the Danube Delta channels.

Accommodation at 3*** pontoon. Cruise, fishing. In the Danube Delta you can discover a fascinating world with fauna, especially birds and flora unique and varied. You can see the original life style of the Delta habitants.

Dinner on the pontoon

Day 2 - 16 June

08:00

Breakfast

10:00

Departure to Tulcea by boat and later return to Costinesti.

20:00

Arrival at Costinesti.

BUCHAREST

Day 1 - 15 June

07:00

Departure to Bucharest

09:00

Short break on the way

12:00

Arrival at Bucharest, accommodation at 3* Hotel - Ibis Hotel Gara de Nord. Lunch time. Sightseeing tour. Free time in the evening

19:30

Dinner at restaurant Romanian traditional menu.

Day 2 - 16 June

08:00

Breakfast

08:45

Check out. The luggage can be deposit in a special room in hotel lobby. Meeting in front of the hotel for coach transfer

09:00

Visit at Village Museum, Parliament Palace, Romanian Patriarchy

13:00

Lunch time

14:00

Return to Ibis Hotel to pick-up the luggages.



POST FORUM TOURS

3 days

MEDIEVAL SITES

Day 1 - 15 June

07:00

Meeting in front of Vox Maris Grand Resort. Departure to Sinaia. Short break on the way

12:00

Arrival at Sinaia. Visit the Peles Palace. Lunch time

17:00
Arrival at Brasov; Sightseeing tour; accommodation at 3* hotel; Dinner Romanian - Traditional menu, artistic program

Day 2 - 16 June

08:00

Breakfast

09:00

Brasov - sightseeing tour

10:00

Visit at Bran Castle

11:00

Departure to Sighisoara

13:30

Arrival at Sighisoara; Visit at medieval City Center;

Lunch time

16:00

Departure to Sibiu

18:00

Arrival at Sibiu ; accommodation at 3* hotel

18:30

Sightseeing tour historical city center. Dinner at the family ranch in Sibiel Village.



Day 3 - 17 June

08:00

Breakfast

09:00

Departure to Bucharest via Cozia Monastery - Olt Defile

12:00

Lunch time at Ramnicu - Valcea City

14:30

Arrival at Bucharest at Ibis Hotel, near North Railway Station

Accommodation in Bucharest is not included in package.

PRAHOVA VALLEY

Day 1 - 15 June

08:00

Meeting in front of Vox Maris Grand Resort. Departure to Sinaia. Short break on the way

13:30

Arrival in Sinaia. Accommodation at 3* hotel. Lunch at the hotel restaurant

15:30

Free time. Recommendations: transfer with tele - cabin at 2000 m altitude Bucegi Mountain; walking to Sinaia Monastery; trip to "Cota 1400"

19:00

Dinner at hotel restaurant.

Day 2 - 16 June

08:00

Breakfast

09:00

Visit at Peles Castle

10:30

Departure to Poiana Brasov

12:00

Arrival at Poiana Brasov. Free time in city center shopping

13:00

Lunch at "Coliba Haiducilor" restaurant (not included in the package price)

14:00

Departure to Bran Castle

15:00

Visit at Bran Castle

16:30

Departure to Brasov

17:15

Arrival at Brasov. Accommodation at 3* hotel

18:00

Walking in city center

20:00

Dinner at restaurant in Brasov. Artistic program and Romanian traditional menu.

Day 3 - 17 June

08:00

Breakfast

09:00

Departure to Bucharest by coach

10:30

Short break on the way

12:00

Bucharest Sightseeing Tour

14:30

Visit at Parliament Palace

15:30

Transfer to Ibis Hotel.

Accommodation is not included in package.

FORUM SESSIONS

DISCUSSION SESSIONS

Discussion (Plenary) Sessions (DS) will be held in the following Conference Halls: **Muntenia (DS 1), Oltenia (DS 2), Banat (DS 3), Maramures (DS 4) and Moldova (DS5)** in three days: **Monday, June 11th, Wednesday, June 13th and Thursday, June 14th.**

Each of the five Discussion Sections of the Forum will cover:

- A Keynote report addressing the main issues specific to each discussion session and poster presentation.
- The papers that have been selected by the Technical Programme Committee of FOREN 2018.

Discussion Section Panel:

Proceedings of each section will be lead by the section chairman, assisted by a rapporteur, and members selected from among highly Romanian and foreign personalities.

Special reports:

The rapporteur of each section will present a keynote report, briefly tackling the topics in the reports and posters as well as the questions to be addressed. The keynote report is meant to help the speakers make their own contributions, serves as a starting point for discussions etc.

Discussion Section Proceedings:

- The keynote report is presented by the rapporteur
- The reports presented by authors will be no longer than 7 minutes / each
- Discussions at the end of each group reports: attendants interventions are meant to bring relevant information to the audience. Each contribution will be no longer than 3 minutes
- The Message of the Forum, Conclusions and Recommendations will be drawn by the Chairman of each discussion section in the Closing Ceremony.

POSTER PRESENTATIONS

Poster Session is organized on the Forum period: **from Monday, June 11th to Thursday, June 14th**, between 8³⁰-18⁰⁰ hrs. in **Expo Area**. Authors are kindly invited to pinpoint the main ideas of their reports in a manner of their choice. Recommendations / guidelines for Poster Presentations were sent to all authors.

FORUM PROCEEDINGS

THE FORUM PROCEEDINGS will be published:

- On USB Flash Drive in English and Romanian for the five Paper Sessions and Poster Session of FOREN 2018
- On Forum website for keynote speeches at the Opening Ceremony and Energy Day.
- Printed in colours - The Forum Advertising Catalogue
- Updated list of the papers (plenary and poster).
- The papers in English, with a high degree of novelty and a great scientific value, will be selected for publication in specialized journals, ISI indexed or BDI indexed. [Further details: www.cnr-cme.ro/foren2018](http://www.cnr-cme.ro/foren2018)

FORUM WEBSITE: www.cnr-cme.ro/foren2018

A special website was dedicated to the Forum starting with September 2017. Regularly updated, the Forum website is a key communication and a promotional tool for all participants. The website ensure last minute information on all Forum activities, including paper sessions, important events, services offered by the organizers and their costs, place of exhibition, a list of exhibiting companies and round tables, facilities for delegates, registration forms, methods of payments, hotels, list of sponsors, tourist programme, schedules, social events agendas etc.

To Register, participants are encouraged to download the REGISTRATION FORMS from the FORUM website for:

- Attending FOREN 2018 (participants and accompanying persons)
- Accomodation
- Tourist visits
- Inserting a presentation in FORUM Advertising Catalogue
- Technical visits and projection of technical films
- Sponsoring one of the important events organized during the FORUM.

FOREN 2018 SESSIONS

DISCUSSION (PLENARY) SESSIONS

1

NATIONAL POLICIES AND OBJECTIVES TO MEET EU ENERGY-ENVIRONMENT POLICY INTEGRATION

PRESIDIUM

Chairman	Filip Cârlea, INCE, Romanian Academy
Rapporteur	Gheorghe Indre, WEC/RNC
Member	Anca Popescu, ISPE
Member	Miron Goia, WEC/RNC

DS 1.1 POLICIES

Monday morning, June 11th, 2018, 10³⁰-12³⁰ h, Muntenia Hall

No	Title of paper	Authors	Company
1.1.1	Flexible Solutions for Power Systems Interconnection of Romania and Republic of Moldova	Alexandru Săndulescu Filip Cârlea	Ministry of Economy and Infrastructure, Republic of Moldova INCE, Romanian Academy
1.1.2	Romanian Development Strategy for the Next twenty years - Energy Security and Efficiency Project	Filip Cârlea	INCE, Romanian Academy
1.1.3	The impact of politics and measures adopted by Romania in the field of energy, on the reduction of greenhouse gas in the perspective of 2035	Daniela Burnete Claudia Tomescu Irene Samoilă Irina Vodă Oana Falup	ISPE
1.1.4	The evolution of Energy Efficiency policies and programs in Republic of Moldova in the post-accession period to energy community	Ilie Timofte Natalia Timofte	Institute of Power Engineering, Academy of Sciences of Moldova
1.1.5	Economic and financial prerequisites related to the energy storage. The blockchain opportunity	Dan Loghin	CNTEE TRANSELECTRICA
1.1.6	Distributed ledger technology and its benefits for the energy trading in OTC markets	Razvan Tudor	HIDROELECTRICA
1.1.7	Approaches of the energy sector in relation to the requirements of environmental protection	Vladimir Rojanschi Florian Grigore-Radulescu	Romanian Environment Association, Ecological University of Bucharest Ecological University of Bucharest

DS 1.2

SECURITY

Monday afternoon, June 11th, 2018, 14⁰⁰-15³⁰ h, Muntenia Hall

No	Title of paper	Authors	Company
1.2.1	Risks and Solutions for Volatility of Significant Renewable Energy	Ciprian Diaconu	CNTEE TRANSELECTRICA
1.2.2	The impact of photovoltaic systems on energy distribution in low voltage networks	Valentin Ștefănescu	SDEE Muntenia Nord, SDEE Galati
1.2.3	Business models for electricity. Electricity Storage as a business opportunity	Dan Loghin	CNTEE TRANSELECTRICA
1.2.4	Regional Disparities of the Romanian Energy System	Marina Bădileanu Luminița-Izabell Georgescu	INCE, Romanian Academy
1.2.5	Considerations on the improvement of Romanian prescriptions on electrical security	Constantin Radu Laurențiu Goia	Nova Industrial CNR-CME
1.2.6	Comparison between the design of grounding networks in HV stations after Romanian and CEI standards	Alexandru Dina	SIER
1.2.7	Challenges of the energy transition in maintaining the energy system security and continuity	Cristina Efremov	Technical University of Moldova

DS 1.3

TECHNOLOGIES

Wednesday morning, June 13th, 2016, 10³⁰-12³⁰ h, Muntenia Hall

No	Title of paper	Authors	Company
1.3.1	The role of nuclear technologies in providing sustainability for various evolution scenarios of the national power system evolution	Eugen Banches Ionut Purica	ANDR AOSR
1.3.2	Environmental aspects specific to the dense sludge evacuation system in the thermoelectric power plants	Silvia-Maria Digă Nicolae Digă	University of Craiova ELECTROPUTERE S.A. CRAIOVA
1.3.3	Case study on the possibilities of carrying out PSHPP projects using in-service water storage	Irinel Daniela Iacob	HIDROELECTRICA
1.3.4	Opinions about the measurements of dangerous touch and step voltages in high voltage electrical stations	Laurentiu Goia Anca Mihailescu G. Lavrov B. Marcu	CNR-CME ISPE
1.3.5	The adjustment of a wind power plant preset power depending on the ampacity of the electrical network	Ionuț Alixandru Ion Triștiu	HIDROELECTRICA University Politehnica of Bucharest
1.3.6	The possibilities of using the phase adjusters for the connection to parallel operation of the Electroenergy Systems in Moldova and Romania by 110 kv line	Postolati V. Berzan V. Bikova E. Boșneaga V. Suslov V. Ermurachi Iu. Grigoras Gheorghe Gavrilas Mihai Istrate Marcel	Institute of Power Engineering of Academy of Sciences of Moldova „Gheorghe Asachi” Technical University of Iasi

2

ENERGY MARKETS. MARKET VS PLANNING. TRANSMISSION AND DISTRIBUTION OPERATORS ROLE IN ENERGY MARKET. STABILITY VS FLEXIBILITY
PRESIDIUM

Chairman	Nicolae Golovanov, WEC/RNC
Rapporteur	Radu Pentiu, "Stefan cel Mare" University of Suceava
Member	Alice Răducanu, CNTEE TRANSELECTRICA
Member	Mihaela Constantinescu, OPCOM

DS 2.1
THE TECHNICAL AND SOCIAL IMPACT OF ELECTRICAL INSTALLATIONS

Monday morning, June 11th, 2018, 10³⁰-12³⁰ h, Oltenia Hall

No	Title of paper	Authors	Company
2.1.1	Modern techniques and methodologies for monitoring the impact of electric substation installations on the personnel health from "CNTEE TRANSELECTRICA SA" for reducing professional risks	Alice Răducanu Eugen Sandu Cornelia Marcolt Florentina Condrea	CNTEE TRANSELECTRICA INCDE ICEMENERG
2.1.2	Analysis of SEN incidents using synchronised phasor metering units	George Manuel Cornea Iulia Cristina Constantin	CNTEE TRANSELECTRICA
2.1.3	OHTL management by IT applications	Ioan Rodean Marius Simbotin Sandor Kovacs	CNTEE TRANSELECTRICA, ST Sibiu
2.1.4	Aspects of human capital in the Romanian Electrical Industry	Cristina Lincaru Ioana - Daniela Oros Speranța Pîrciog Mihaela Iancu	National Scientific Research Institute for Labor and Social Protection - INCSMPS SISE Transilvania Nord INCSMPS UMF Cluj

DS 2.2**SAFE OPERATION OF ELECTRICAL INSTALLATIONS****Monday afternoon, June 11th, 2018, 14⁰⁰-15³⁰ h, Oltenia Hall**

No	Title of paper	Authors	Company
2.2.1	Studying the need to install additional voltage control means in the National Power System, in the context of increased capacity in Dobrogea region	Remus Dinculescu Oana Zachia	CNTEE TRANSELECTRICA
2.2.2	Paradigms of distance protections from Romania's 400 kV RET	Valentin Vilcu	CNTEE TRANSELECTRICA
2.2.3	Endowing short electric lines with longitudinal differential protections	Anamaria Iamandi Iulia Cristina Constantin	CNTEE TRANSELECTRICA
2.2.4	Using ANNs in Protection of Transmission Lines	Alexandru Miron Dragoş Danubianu Alin Dragomir Cezar Popa Radu Pentiu	University of Suceava CNTEE Transelectrica, ST Bacau Technical University of Iasi University of Suceava
2.2.5	Nonexhaustive Parameters – National Specifics in Pan European Connection Codes	Ionela Serbanescu Cristian Tudor Doina Ilişiu	CNTEE TRANSELECTRICA
2.2.6	Deterministic Frequency Deviation – Challenge for Balancing Market	Doina Ilişiu Cristian Tudor	CNTEE TRANSELECTRICA

DS 2.3**ELECTRICITY TRADES****Wednesday morning, June 13th, 2018, 10³⁰-12³⁰ h, Oltenia Hall**

No	Title of paper	Authors	Company
2.3.1	Term electricity trades. Complementarity and results of trading mechanisms	Mihaela Constantinescu Iuliana Pandeale Daniela Bulboaca	OPCOM
2.3.2	Green Certificates Market. Trading mechanisms and results of the centralized anonymous markets	Daniela Cristea Madalina Diaconu Elena Bugaciu	OPCOM
2.3.3	Short-term electricity transactions. The interdependence of prices in the context of the year 2017	Silvia Constantinescu Victoria Vasilevschi Alexandru Stan	OPCOM
2.3.4	Tariff differentiation by time zones in a new perspective	Florin Gugu	ENEL
2.3.5	Renewable technologies integration in the trading mechanisms of the spot electricity markets	Mihai Dobre Cristian Tudorache Cristian Valcu Dan Donciu Georgeta Ion Andrei Miclea	OPCOM

DS 2.4 EFFICIENCY IN THE ELECTRICAL SYSTEM OPERATIONWednesday afternoon, June 13th, 2018, 14⁰⁰-15³⁰ h, Oltenia Hall

No	Title of paper	Authors	Company
2.4.1	Demand Response Service applied on Technical University of Cluj-Napoca Buildings - Pilot Demonstation Project	Dan Micu Andrei Ceclan	Technical University of Cluj-Napoca
2.4.2	Solar panel orentation system after the sun	Ciprian Afanasov Radu Pentiu George Eduard Holman	"Ștefan cel Mare" University of Suceava
2.4.3	Energy efficiency in electrical distribution networks	Iulian-Nicușor Aramă Florin Grosu Ion Borșan	"Dunărea de Jos" University of Galați
2.4.4	Gas Insulated Ring Main Unit RM6 - An Efficient Solution For Electrical Distribution Networks	Vasile Tabacaru Aurora Arabolu Mihai Manafu	SDEE Muntenia Nord, SROR Galati Schneider Electric Romania
2.4.5	Live Maintenance of 110KV disconnectors	Marius Oltean Traian Fagarasan Dorin Brabete	SMART, Sibiu Branch
2.4.6	Increasing the life of oil power transformer by thermal securing of internal electrical contacts	Ioan Rusu	SE ELECTRICA
2.4.7	The mathematical model of the electric line with the transposition of phase conductors	Berzan V. P. Pațiuț V. I. Ribacova G. A.	Institute of Power Engineering, Academy of Sciences of Moldova

3**ENERGY EFFICIENCY, RENEWABLE ENERGY SOURCES,
NEW TRENDS AND ISSUES****PRESIDIUM***Responsible organizer: CEZ Romania*

Chairman	Ion Dobrescu, Distributie Oltenia
Rapporteur	Representative of CEZ Romania
Member	Roxana Pătrașcu, University Politehnica of Bucharest
Member	Adrian Adam, INCDE ICEMENERG
Member	Vasile Rugină, WEC/RNC

DS 3.1 INCREASING ENERGY EFFICIENCY - NATIONAL AND LOCAL PRIORITYMonday morning, June 11th, 2018, 10³⁰-12³⁰ h, Banat Hall

No	Title of paper	Authors	Company
3.1.1	Identification of DSM potential and benefits in the R. of Moldova	Ion Comendant Iulia Prepelița Lilia Turcuman	Institute of Power Engineering, Academy of Sciences of Moldova
3.1.2	Energy Efficiency Improvement Program within an Industrial Company, the Resulting Collaboration of Energy Management Services and Energy Audit	Roxana Pătrașcu Diana Tuțică Eduard Minciuc George Darie Stefanita Pluteanu	University Politehnica of Bucharest

No	Title of paper	Authors	Company
3.1.3	Energy Efficiency Characterization Elements at the level of a national pole growth	Ioan Felea Adrian Ioan Felea Kubala Tamas Szabo Emeric	University of Oradea
3.1.4	Energy management – a priority objective to achieve the energy efficiency target, established by Directive 2012/27/EU	Daniela Burnete Anca Popescu Irina Vodă	ISPE
3.1.5	Aspects on the use of different electric power sources for water pumping for irrigation in the agricultural sector of the Republic of Moldova	Mihai Lupu Mihai Tîrșu	Institute of Power Engineering, Academy of Sciences of Moldova
3.1.6	Optimal design of green hybrid system for applications in passive house domain. Case study	Gheorghe Badea Raluca-Andreea Felseghi Simona Răboaca Ioan Ștefănescu Ioan Așchilean Mihai Culcer Gabriel Rasoi	Technical University of Cluj - Napoca ICSI Rm. Valcea Technical University of Cluj - Napoca ICSI Rm. Valcea
3.1.7	The European Energy Efficiency Directive before and beyond Brexit	Cristina Elena Lascu	WEC-RNC, SunE

DS 3.2**RENEWABLE ENERGY SOURCES**

Monday afternoon, June 11th, 2018, 14⁰⁰-15³⁰ h, Banat Hall

No	Title of paper	Authors	Company
3.2.1	Integrating renewable resources within Romania's electric power system – the 2030-2040 horizon. Challenges in the new context when European network codes are implemented	Mirela Duțoiu	CNTEE TRANSELECTRICA
3.2.2	Renewable energy to cover auxiliary services in HV substations	Bogdan Filip Marian Dragomir	CNTEE TRANSELECTRICA
3.2.3	Research and preliminary studies on the implementation and development of an experimental energy system based on a Stirling power unit and a parabolic solar concentrator to produce energy from renewable sources: A Case Study	Gabriel Rasoi Dorin Schitea Dan Mocanu Adrian Armeanu Simona Răboacă Constantin Filote	INC-DTCI-ICSI Rm. Valcea University Stefan cel Mare Suceava INCE, Romanian Academy
3.2.4	Aspects related to operation with high efficiency of MHC equipped with EOS and FO turbines	Cristian Purece Valeriu Panaitescu	INCDE ICEMENERG University Politehnica of Bucharest
3.2.5	Importance of weighted coefficients for hydro units tenders selection	Adriana Dadu Vergilă Dadu	SPEEH Hidroelectrica

No	Title of paper	Authors	Company
3.2.6	The Management of technological risk in hydropower plants – Structured approach to incidents	Gabriela Pricopie Laurentiu Iovan	HIDROELECTRICA, S.H. BISTRITA HIDROELECTRICA
3.2.7	Moving to 100% energy from renewable sources	Dumitru Braga	Technical University of Moldova

DS 3.3**INCREASING ENERGY EFFICIENCY IN ELECTRICAL NETWORKS**

Wednesday morning, June 13th, 2018, 10³⁰-12³⁰ h, Banat Hall

No	Title of paper	Authors	Company
3.3.1	Considerations on societal and technical impacts of critical risks in power systems	Simona Louise Voronca	CNTEE TRANSELECTRICA
3.3.2	Data concentrator's significance in the applications of equipment for synchronous phasor metering	Andreea-Georgiana Ianțoc George-Manuel Cornea Iulia Cristina Constantin	CNTEE TRANSELECTRICA
3.3.3	Common activation function for automatic frequency restoration process – solutions from project future flow	Doina Ilisiu Tania Roman Emanuel Ionita Florina Amza	CNTEE TRANSELECTRICA
3.3.4	Monitoring symmetrical components of voltage with unbundled smart meters	Mihai Sănduleac Dorel Stănescu Carmen Stănescu	University Politehnica of Bucharest Electrica CNTEE TRANSELECTRICA
3.3.5	Fractal Grid Development	Daniel Crăciun	SDEE Muntenia Nord
3.3.6	Design and maintenance protection and automation systems in Romanian Power Grid	Gheorghe Moraru Florin Balasiu	SMART, Sibiu Branch CNTEE TRANSELECTRICA
3.3.7	Models for design of distributed control systems for future power grid	Valentin Vlad Cezar Dumitru Popa Radu Dumitru Pentiu	University of Suceava

DS 3.4**COGENERATION**

Wednesday afternoon, June 13th, 2018, 14⁰⁰-15³⁰ h, Banat Hall

No	Title of paper	Authors	Company
3.4.1	Modern energy storage systems with applicability in Romania	Adrian Adam Eduard Minciuc Cristian Mândrean Silvia Ligda Petrică Rădan	INCDE ICEMENERG University Politehnica of Bucharest INCDE ICEMENERG
3.4.2	Improving the model of head load duration curve	Valentin Arion Călin Negură	Technical University of Moldova

No	Title of paper	Authors	Company
3.4.3	The integration of cogeneration in solar systems: Hybrid Photovoltaic Thermal (PV/T) Panels	Madalina Barbu (Manole) George Darie Roxana Patrascu	University Politehnica of Bucharest
3.4.4	A review of optimal technology selection and operation of a residential CHP	Diana Tutica Eduard Minciuc Roxana Patrascu George Darie	University Politehnica of Bucharest
3.4.5	Analysis of the energy performance of a source in cogeneration	Ioan Felea Emil Crenci Emeric Szobo	University of Oradea
3.4.6	Cogeneration and district heating in Republic of Moldova	Mihail Cernei Vasile Leu Inessa Bruma	Moldova State University AIIRM Moldova State University

DS 3.5

ENERGY EFFICIENT AND ENVIRONMENTALLY FRIENDLY TECHNOLOGIES / EQUIPMENTS

Thursday morning, June 14th, 2018, 8³⁰-10⁰⁰ h, Banat Hall

No	Title of paper	Authors	Company
3.5.1	Considerations on the calculation of energy efficiency indicators for different operating regimes of asynchronous drive motors	Silvia-Maria Digă Nicolae Digă	University of Craiova ELECTROPUTERE Craiova
3.5.2	Fuel Cells Hybrid Electric Powertrain for a Regular Car	Mihail Culcer Mariana Iliescu Mircea Raceanu Adriana Enache Mihai Varlam Alin Corbu Simona Raboaca	ICSI Rm. Valcea
3.5.3	Optimization of a Refrigeration System Using Eco-Friendly Refrigerants and Scroll Compressors	Ion Zabet Melania Bigu Iulian Nita Mihaela Filip Gratiela Tarlea	RATEN CITON Technical University of Civil Engineering Bucharest
3.5.4	Effective Integrated Municipal Solid Waste Management Scenarios	Gabriela Ionescu	University Politehnica of Bucharest
3.5.5	Method validation and quantification of titanium in biomass samples and biomass ashes samples	Loredana Popescu	INCDE ICEMENERG
3.5.6	Municipal solid waste management systems in the context of a circular economy	Constantin Stan Diana Mariana Cocârță Tiberiu Apostol Constantin Streche Adrian Badea	University Politehnica of Bucharest

4A

OIL AND GAS - CONVENTIONAL AND UNCONVENTIONAL

Responsible organizer: ROMGAZ

PRESIDIUM

Chairman	Nicolae Napoleon Antonescu, WEC/RNC, UPG Ploiești
Vicechairman	Eugen Sorescu, ROMGAZ
Rapporteur	Florin Tobescu, ANRE
Member	Lazăr Avram, UPG Ploiești
Member	Ioan Ignat, ROMGAZ

DS 4.1

EXPLOITATION OF OIL AND GAS DEPOSITS

Monday morning, June 11th, 2018, 10³⁰-12³⁰ h, Maramures Hall

No	Title of paper	Authors	Company
4.1.1	New challenges for energy at the Black Sea	Iulian Offenbergl Nicolae Iliăș Sorin Mihai Radu George Teseleanu	CONVERSMIN University of Petroșani ASTR
4.1.2	The Shale Gas Wells Completion: Another Point of View	Mihai Gheorghiu Mihail Gheorghiu	UPG Ploiești AMROMCO
4.1.3	Applying the best technologies available in extraction of natural gas for optimizing environmental protection expenses	Emilia Ștefănescu Ion Foidaș	ROMGAZ
4.1.4	Minimum invasive technologies applied to mature natural gas deposits	Argentina Tătaru Nicolae Costin Sandor Bolazs	ROMGAZ
4.1.5	Challenges on re-equipping wells	Florinel Șuțoiu Nicolae Bogdan Simescu Mihail Avramescu	ROMGAZ
4.1.6	Diagnosis of the operating status of extraction installations by analysis of vibrations produced in operation	Nicolae Napoleon Antonescu Marius Stan Valentin Tudorache Lazar Avram	UPG Ploiești
4.1.7	Strategic options for the development of Romania's oil and gas industry in the 2035 year perspective	Marius Bulearcă	INCE, Romanian Academy
4.1.8	Challenges and solutions to achieve the quality parameters of natural gas	Diana-Andreea Lupu Dan-Paul Ștefănescu	ROMGAZ, Petroleum-Gas University of Ploiesti ROMGAZ, Lucian Blaga University of Sibiu

DS 4.2

HYDROCARBONS TRANSPORTATION, RISKS AND ENVIRONMENTAL PROTECTION

Monday afternoon, June 11th, 2018, 14⁰⁰-15³⁰ h, Maramures Hall

No	Title of paper	Authors	Company
4.2.1	European Gas Market: Regional Developments and Perspectives	Natalia Timofte Ilie Timofte	Institute of Power Engineering, Academy of Sciences of Moldova
4.2.2	Climate change mitigation by energy efficiency	Lazar Avram Monica Stoica	UPG Ploiesti
4.2.3	Supervisory control and data acquisition in crude oil and petroleum products pipeline transportation – interconnection, life expectancy, trends	Dan Buzatu Cosmin Cristian Dumitran Georgian Iliescu	CONPET
4.2.4	Risks and challenges in petroleum exploration projects - economic perspective	Eugen Sorescu Marius Nenişanu Marian Neacsu Dumitru Marcu	ROMGAZ
4.2.5	Safety and Environmental aspects with regards to Oil & Gas offshore production	Nicolae Napoleon Antonescu Marius Stan Claudiu Tanasa Valentin Tudorache	UPG Ploiesti
4.2.6	Solutions and risks for increasing the underground storage capacity of natural gas in depleted deposits	Lazar Avram Petru Ciobanu	UPG Ploiesti
4.2.7	Investigations regarding the Maintenance of Natural Gas Transmission Pipelines Systems	Andrei Dumitrescu Gheorghe Zecheru Gheorghe Drăghici Alin Diniţă	UPG Ploiesti

DS 4.3

BIO-FUELS

Wednesday morning, June 13th, 2018, 10³⁰-12³⁰ h, Maramures Hall

No	Title of paper	Authors	Company
4.3.1	Solutions for alternative bio-fuels production via thermochemical conversion	Cosmin Marculescu	University Politehnica of Bucharest
4.3.2	Methods for gas bio-fuels quality improvement by integrating of CO ₂ separation technologies	Cora Bulmau	University Politehnica of Bucharest
4.3.3	Catalitic upgrading of liquid bio-fuels from celulosic residues pyrolysis	Razvan State Adrian Volceanov Dorin Boldor	University Politehnica of Bucharest
4.3.4	Properties of gas fuel from biomass gasification during process start-up	Raluca Tirtea Cosmin Marculescu	University Politehnica of Bucharest
4.3.5	Integrated research and knowledge transfer in the field of bio-fuels production	Dorin Boldor	University Politehnica of Bucharest, Louisiana State University

4B

NUCLEAR ENERGY

Responsible organizer: RATEN

PRESIDIUM

Chairman	Doru Vişan, Ministry of Energy
Co-chairman	Cristian Gentea, RATEN
Member	Rodin Traicu, CNCAN
Rapporteur	Alexandru Toma, RATEN ICN
Member	Constantin Păunoiu, RATEN ICN
Member	Gheorghe Staicu, RATEN CITON

DS 4.4

ALFRED DEMONSTRATOR

Wednesday afternoon, June 13th, 2018, 14⁰⁰-15³⁰ h, Maramures Hall

No	Title of paper	Authors	Company
4.4.1	Lead Fast Reactor Technology and ALFRED Demonstrator Development in the Context of Future Markets of Energy	Marin Constantin Ilie Turcu Constantin Păunoiu Alexandru Toma Daniela Diaconu Minodora Apostol Mirela Nitoi Daniela Gugiu	RATEN ICN
4.4.2	Designing of main components of the secondary circuit of ALFRED reactor	Iulian NIȚĂ Rodica PANCEF Andrea IVAN	RATEN CITON
4.4.3	Oxygen Control in Lead Cooled Systems via Solid Phase – Preliminary Tests for Developing PbO Mass Exchangers	Irina Paraschiv Dorel Benga	RATEN ICN
4.4.4	Chemical cleaning of solidified lead from 316 austenitic steel a structure candidate material for lead-cooled fast reactors	Daniel Petrescu Lucian Velciu	RATEN ICN

DS 4.5

CANDU REACTOR

Thursday morning, June 14th, 2018, 8³⁰-10⁰⁰ h, Maramures Hall

No	Title of paper	Authors	Company
4.5.1	Current International Case for Natural Uranium-Based Nuclear Fuel	Raluca Gherasim Virgil Ionescu Sorin Meglea	RATEN CITON
4.5.2	Heavy water production in Romania: twilight of an industry & dawn of new perspectives	Raluca Fako Virgil Ionescu Adriana Olteanu Sorin Meglea	RATEN CITON

No	Title of paper	Authors	Company
4.5.3	Environmental requirements to be considered for planning the National Geological Disposal Program	Veronica Andrei Adrian Jeleu Diana Vilcu	SN NUCLEARELECTRICA
4.5.4	Fatigue tests on SEU-43 ZIRCALOY-4 tubes at 350°C	Valentin Olaru Viorel Ionescu Dragos Ionescu Alexandru Nitu Alexandra Ion Florea Voicu	RATEN ICN
4.5.5	Managing the risks of securing the raw material needed to manufacture nuclear fuel in Romania	Andrei Preda Emil Macovei	SNN NUCLEARELECTRICA

5

COAL AND CLEAN COAL TECHNOLOGIES

Responsible organizer: Oltenia Energy Complex

PRESIDIUM

Chairman	Sorinel Boza, Oltenia Energy Complex
Rapporteur	Ionuț Predoiu, Oltenia Energy Complex
Member	Sorin Mihai Radu, University of Petrosani
Member	Constantin Ioanițescu, Ministry of Energy
Rapporteur General	Nicolae Iliăș, University of Petrosani
Member	Daniela Barbu, Ministry of Energy

DS 5.1

CLEAN COAL TECHNOLOGIES, CO-FIRING

Monday morning, June 11th, 2018, 10³⁰-12³⁰ h, Moldova Hall

No	Title of paper	Authors	Company
5.1.1	Lignite – the main source of electricity production in Romania	Ionut Predoiu Victor Blidea Ionut Cosleba	Oltenia Energy Complex
5.1.2	Contributions regarding the methods of reduction of slag generated by the combustion of solid fuels in steam generators	Sorin Alecu Andrei Stoian Ionut Predoiu	Oltenia Energy Complex
5.1.3	Challenges and constraints on the implementing of “Decision (EU) 2017/1442 of 31 July 2017 establishing best available techniques (BAT) conclusions, under Directive 2010/75/EU of the European Parliament and of the Council, for large combustion plants”. Solutions for reducing NOx emissions at Turceni Thermal Power Plant	Daniela Andrei Laviniu Danciu Marian Motocu	Oltenia Energy Complex
5.1.4	Possibilities for utilization of sorted lignite (Boulders)	Sorin Bălăcescu Ionut Predoiu	Oltenia Energy Complex
5.1.5	Thermal Power System Development in the Romanian City of Oradea between 1918-2018	Ioan Vasiu	University of Oradea

DS 5.2

CARBON CAPTURE AND STORAGE, MODERN SOLUTIONS
FOR USE OF COMBUSTION PRODUCTSMonday afternoon, June 11th, 2018, 14⁰⁰-15³⁰ h, Moldova Hall

No	Title of paper	Authors	Company
5.2.1	Implementing the modern concepts of Continuous Improvement (Six Sigma) in the field of electricity production in Romania	Sorin Alecu Andrei Stoian Ionut Predoiu	Oltenia Energy Complex
5.2.2	Economical assessment of the CO ₂ post-combustion capture process integration in a power plant	Eliza Mihaila Cristian Dinca Adrian Adam Roberta Irodia	INCDE ICEMENERG University Politehnica of Bucharest INCDE ICEMENERG
5.2.3	Effects of increasing of CO ₂ certificates price on Romanian power generation from coal, following the completion of the legislative review process of the EU-ETS Directive (2003/87/EC). Considerations and influences on national energy security	Mihaela Epîngeac Marius Fincă Laviniu Danciu	Oltenia Energy Complex
5.2.4	Parametrical study of adsorbent materials for CO ₂ separation	Nela Slavu Cristian Dinca Adrian Badea	University Politehnica of Bucharest AOSR
5.2.5	Implications of investments to reduce SO ₂ and NO _x emissions on boiler automation system	Marius Bizgă	Oltenia Energy Complex, SE Rovinari

DS 5.3

MODERN METHODS OF COAL MINING, ENVIRONMENTAL ISSUES;
COAL RESOURCES, MINING, SECURITYWednesday morning, June 13th, 2018, 10³⁰-12³⁰ h, Moldova Hall

No	Title of paper	Authors	Company
5.3.1	Solutions for the functioning and compliance with the environmental conditions of the lignite deposits in the Oltenia area	Marius Berca Ionut Predoiu	Oltenia Energy Complex
5.3.2	The impact of coal tars over the health and environment	Clementina Moldovan Ciprian Nimara Ionut Predoiu	University of Petrosani
5.3.3	Influence on the penalty power plant efficiency of the stripper regeneration pressure in the CO ₂ chemical absorption process	Raluca Tirtea Cristian Dinca	University Politehnica of Bucharest

POSTER SESSION

No	Title of paper	Authors	Company
1	Techniques used to obtain ALPHA sources applied in post- irradiation examination laboratory	Marina Petre Diana Miriță Marin Mincu Ion Man Ilie Prisecaru	RATEN ICN University Politehnica of Bucharest
2	The influence of thermal loads under constant mechanical stress on the hydrides morphology in the CANDU pressure tube	Alexandra Ion Vasile Radu	RATEN ICN
3	New aspects concerning the management of radioactive waste and the protection of the population, exposed workers and the environment during the decommissioning of nuclear installations	Ramona Aranghel Nușa Mădgălin Simona Măchiță	RATEN CITON
4	The influence of the new international recommendations on dosimetry and radiological protection due to tritium exposure to the national legislation	Nușa Mădgălin Ionela Ramona Aranghel Simona Măchiță Raluca Fako	RATEN CITON
5	Development instrumentation and control (I&C) systems for NPP using modern digital technologies	Razvan Popovici Magdalena Vlad Ioana Zarif Bogdan Blanaru	RATEN CITON
6	Predictive maintenance techniques and rotating equipments monitoring in a nuclear power plant	Florin-George Vacariu	RATEN CITON
7	Proposal regarding the electrical distribution system architecture for ALFRED - advanced lead fast reactor european demonstrator	Magdalena Vlad Razvan Popovici Ioana Zarif Bogdan Blanaru	RATEN CITON
8	Development of the trip range for shut down system no. 1 and shut down system no. 2	Ioana Zarif Bogdan Blanaru Razvan Popovici Magdalena Vlad	RATEN CITON
9	Challenges for the 3rd Millennium: Marine and Ocean Energy	Manuela Horvath Florin Masala	HIDROELECTRICA
10	Internet of Things Solutions for Smart Cities	Vladimir Tanasiev Eduard Minciuc George Darie	University Politehnica of Bucharest
11	Establishing a trigeneration solution to increase the operational efficiency of a heat engine plant	Mihaela Norișor Eduard Minciuc George Darie Roxana Pătrașcu Diana Tuțică	University Politehnica of Bucharest
12	Operational risk assessment in energy filed using FMEA	Razvan Tudor	HIDROELECTRICA
13	Awareness and action for sustainable energy	Adina Stanculea Nicolae Simion	INCDE ICEMENERG

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