

Session KA 2:	Renewable Electricity System Integration: Development of energy markets in Europe. Covering energy needs in the context of markets interconnection
KEYNOTE ADDRESS	Reglementări europene și naționale pentru creșterea ponderii surselor regenerabile de energie în balanța energetică
Schedule:	Thursday June 14th, 2018, 8³⁰-12³⁰ h
Venue:	Vox Maris Grand Resort Costinesti, Romania Hall

Organizers: WEC/ RNC and OPCOM (Romania Gas and Electricity Market Operator)

Partner: ICPE CA

Moderators:

- **Cristina Șetran**, Programme Director, 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 Pande**, Term and Certificates Trades Division, OPCOM
Pan European trading of the standard products for Romania price zone
2. **Otilia Marin**, Director General, ANRE
3. **Cătălin Dragostin**, Executive Manager, Energy-Serv
CHP-BATTERY: Innovative technology to store and integrate intermittent renewable energy into the power & heat markets
4. **Doina Ilișiu**, Manager, CNTEE TRANSELECTRICA
High Penetration of Power Electronic Interfaced Power Sources - consequences
5. **Florentina Bunea**, ICPE CA
Environment-friendly hydraulic turbines

Coffee Break: 10⁰⁰-10³⁰

Session II: 10³⁰-12³⁰

1. **Daniela Cristea**, Term and Certificates Trades Division, OPCOM
European requirements and national implementations related to trading of electricity from renewable energy sources and Green Certificates Support Scheme
2. **Georgeta Ion**, Energy Trades and Settlement Division, OPCOM
Supporting the renewable energy integration through market mechanisms designed to respond to harmonization needs for European target of short term market
3. **Doina Vornicu**, Operation Director & Directorate Member, CEZ Romania
4. **Ion MURGESCU**, ICPE CA
Solar park energy losses in Romania, associated with PV modules early degradation

Basic Topics for Discussion:

- ❖ Solutions to increase the share of renewable energy sources
- ❖ Forecasting of the production of renewable energy sources
- ❖ Technical, economic and financial criteria for the practical use of renewable energy sources
- ❖ Characteristics of the production of renewable sources
- ❖ Market access for energy from renewable sources
- ❖ Dimensioning of energy storage systems to increase the efficiency of renewable energy sources
- ❖ The power quality in a network with renewable energy sources
- ❖ Connection to the electrical network of the unconventional sources
- ❖ Integration of Prosumer in the electricity market
- ❖ Management of electricity sources in the power system in the presence of renewable energy sources

Principalele teme de discuție:

- ❖ Soluții de creștere a ponderii surselor regenerabile de energie
- ❖ Prognoza producției surselor regenerabile
- ❖ Criterii tehnice, economice și financiare de valorificare a surselor regenerabile de energie
- ❖ Caracteristici ale producției surselor regenerabile
- ❖ Accesul pe piață a energiei din surse regenerabile
- ❖ Dimensionarea sistemelor de stocare a energiei
- ❖ Calitatea energiei electrice într-o microrețea alimentată din surse locale
- ❖ Conectarea la rețeaua electrică a surselor neconvenționale
- ❖ Integrarea prosumerilor în piața de energie electrică
- ❖ Managementul surselor de energie electrică din sistemul electroenergetic în prezența surselor regenerabile de energie