

CONFERENCES PROGRAM

2nd INTERNATIONAL CONGRESS ON ENERGY AND WATER SECURITY

« Water, green energy and climate »

Sunday 2 June 2024**2:00 p.m – 4:30 p.m : CLIMATE AND ENERGY**

1. The challenges of climate change
2. Renewable energies and green energy
3. Geostrategic challenges of hydrogen: a sector at the center of the energy transition
4. Hydrogen: what new geostrategic issues could emerge for Algeria?
5. Renewable energies and energy mix
6. Energy efficiency and renewable energies: main pillars of the energy transition

Monday 3 June 2024**10:00 a.m – 12:30 p.m : WATER AND ENERGY**

1. Efficiency in the fields of energy and water: seawater desalination, oil and gas industry...
2. Renewable energies (solar and wind) and unconventional water production and/or wastewater treatment
3. Agricultural irrigation using solar energy: water and energy efficiency

2:00 p.m – 4:30 p.m : SMART ENERGY AND ENERGY TRANSITION

1. Digitalization: a lever for a viable energy future
2. Electricity distribution networks in the energy transition
3. Smart grids and security of energy supply
4. IoT for better energy management

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WATER FORUM

TUESDAY 4 JUNE 2024

10:00 a.m – 12:30 p.m: MANAGEMENT OF NON-CONVENTIONAL WATER RESOURCES

1. Water resources and climate change
2. Foresight and projection of the evolution of different water needs
3. Unconventional waters in a global water management approach
4. How can the use of unconventional water be integrated into a logic of saving and sharing water resources?
5. Seawater desalination
6. Reuse of treated wastewater in agriculture
7. Digital transformation and water resources management

2:00 p.m – 4:30 p.m : PREVENTION AND FIGHT AGAINST FLOODS

1. Vulnerability to flooding and climate change
2. What is the flood control and prevention strategy?
3. Damage caused by floods (damage to housing, economic establishments, networks, roads, etc.).
4. Development of financial mechanisms (insurance and natural disaster funds), consultation and coordination.
5. Development and construction of structures for better protection against flood risks
6. Big data: an effective means of flood prevention

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WASTE FORUM

WEDNESDAY 5 JUNE 2024

10:h00 a.m – 12:30 p.m : WASTE MANGEMENT AND INDUSTRIAL RISKS

1. Remediation of polluted soil and water
2. Reduction of water pollution from industrial discharges (toxic discharges: metals, hydrocarbons, acids, materials), etc.
3. Prevention and management of industrial and technological risks
4. Management of effluents generated by industrial activities (brines, organic matter, metals, detergents, oils, pesticides, nitrates, phosphates, etc.)
5. Optimization of industrial waste management: collection and treatment
6. Impact of digitalization in waste management