6th Arab Water Week Topics:

Under the title of “Towards Agile and Smart Water Utilities”, the scientific committee is seeking contributions from the Arab region and international water community addressing the following topics:

* Digitization at Water and Wastewater Utilities:
  - Management Information Systems (MIS) and Enterprise Resource Planning (ERP).
  - Water Information Systems (WIS).
  - Laboratory Management System (LMS).
  - Supply Chain, Procurement and Inventory System.
  - Asset Management System.
  - SCADA System as a tool for operating and monitoring.
  - GIS Application as a tool for network system maintenance and customer service.
  - Adopting Cost centers and HR & payroll System.
  - Integration of Customer Information System (CIS), GIS, Billing, ERP and Asset Management System.
  - Smart Solutions in Managing Utilities:
    - Call Centers
    - Mobile Applications
    - Smart Solutions in Managing Cities

* Water Systems:
  - Water Safety Plan (WSP).
  - Water Quality and Laboratory Management.
  - Governance for Groundwater Management.

* Sanitation Systems:
  - Sanitation Safety Plan (SSP).
  - Treated Wastewater and Grey Water uses:
    - Reuse in agriculture.
    - Reuse in Artificial Recharge.
  - Industrial Wastewater Management and Monitoring.
  - Residual Pharmaceutical Industry in Wastewater System.
  - Sludge Treatment and Reuse.
  - Wastewater Quality and Laboratory Management.
  - Governance, Legislations and Policies in Wastewater Management and Reuse.

* Water, Energy, Environment and Food (WEEF) Nexus:
  - Water, Energy, Environment and Food (WEEF) Nexus

* Knowledge Transfer for Utilities through:
  - Capacity Building.
  - Twinning and Match Making.

* Water Diplomacy (Shared and Transboundary Water Resources)

* Gender Mainstreaming in Managing Integrated Water Resources
* Integrated Water Resources Management (IWRM)

* Towards achieving SDG 6

* Managing Water Utilities through Crisis:
  - Energy Consumption.
  - Emergency Water Supply.
  - Managing Cash-flow in Crisis.
  - Managing Refugee Camps and Hosting Neighboring Communities.
  - WASH towards Sustainability.

* Governance, Policies and tools in Water Management:
  - National Water Master Plan.
  - WEAP-MODFLOW as a Decision Support System (DSS) for Integrated Water Resources Management (IWRM).
  - Water Allocation.
  - Water Accounting.
  - Water Budget.
  - Water Demand Management (Developing Policies for Different Uses of Water).
  - Financing and Investment Options.
  - Projects Management.
  - Legislations, Standards and Institutional Reform.
  - Regulatory, Benchmarking and Key Performance Indicator (KPI).
  - Management of Public Private Partnership (PPP):
    • Performance Based Contracts
    • BOTs Contracts

* Strategic Planning and Financial Modalities in Water Utility:
  - Improving Efficiency towards Cost Recovery.
  - Financial Strategies towards Sustainability.
  - Generating Revenue through Tariffs Restructuring (Water for Poor).

* Utilities towards Excellence:
  - Utility toward Future.
  - Aqua Rating for Utilities (International standard for the evaluation and improvement of water and wastewater utilities).
  - Utility Assessment according to International Excellence Program.
    • European Framework for Quality Management (EFQM).
    • Global Star Rating (GSR).
    • Government Excellence Program (GEM).
  - Technical Sustainable Management (TSM) for Water and Wastewater Facilities.

* Climate Change:
  - Climate Change Adaptation and Mitigation.
  - Impact on Water Resources and Environment.
  - Impact on Coastal Cities and Utilities.
  - Impact on Food Security.
2nd Trenchless Arabia Topics:

Under the title of “Second Trenchless Arabia”, the scientific committee is seeking contributions from the Arab region and international water community addressing the following topics:

- Asset Management and Work Planning.
- Associated Technologies, Techniques and Equipment.
- Costs and Environmental Issues.
- Horizontal Directional Drilling.
- Microtunneling and Pipe Jacking.
- Pipe Ramming and Impact Mole.
- Auger Boring and Pilot Tube Microtunneling.
- Local Repairs and Grouting.
- Manhole Rehabilitation.
- Cured in Place Pipeliners.
- Spray-on Linings and Coatings.
- Spiral Wound Linings.
- Close-Fit Linings.
- Slip Linings (Loose Fit).
- Pipe Bursting and Splitting.
- Site Survey and Preparation.
- Testing & Assessments.
Towards Smart & Agile Water Utilities

6th Arab Water Week | 5th - 9th March 2023 | The St. Regis Hotel Amman - Jordan

North Route, Middle East