



Workshops

Tuesday, 11 February 2020

Advances in Water Desalination Technologies

Location: Al-Diwan Hall



Dr. Subhi Al-Jeshi,
Water Treatment Specialist

Dr. Subhi Al-Jeshi is a water treatment specialist, Saudi Aramco retiree. He got his B. Sc in Chemical Engineering from KFUPM, Saudi Arabia, and PhD from the School of Engineering and Physical Sciences, Herriot Watt University, Scotland, specialized in water Desalination. Subhi has 27 years of experience in water treatment and desalination field. His field experience included working in different industrial locations such as Saudi Petrochemical Company, SADAF, Ras Tanura Refinery and Berri Gas Plant in addition to working for one year for VEOLIA Water, UK, designing RO membrane plants. Currently Subhi works for Environmental Protection Department, in Dhahran providing technical support to all Saudi Aramco industrial facilities. Subhi has evaluated and introduced many new technologies to Saudi Aramco.



Mohammed A. Al-Hajji,
Water Treatment Specialist
Saudi Aramco

Mohammed is a water treatment engineering specialist currently working in the Utilities Systems Unit in Process and Control Systems Department of Saudi Aramco. He has 30 years of professional experience in different departments within Saudi Aramco. Out of which 25 years were spent in providing technical consultation support to Saudi Aramco water treatment facilities and capital projects. Has been involved in designing, construction and commissioning of several Water Treatment Plants. Has been involved in several troubleshooting and investigation tasks for RO plants, industrial steam boilers and water treatment programs. Mohammed is a board member of Saudi Arabia Water Environment Association (SAWEA) and a member of the technical committee for Water Arabia Conference.

Agenda:

- 07:30 Registration
- 08:30 Overview of membranes technology
- 09:00 Reverse Osmosis process, system design and operation
- 10:00 Break
- 10:15 Troubleshooting RO plants problems, scaling, fouling & membrane degradation
- 11:00 Analytical Tools for RO Membrane and Foulants Characterization
- 11:30 Prayer/Lunch
- 13:00 Overview of thermal desalination technologies
- 14:00 Troubleshooting thermal desalination technologies
- 15:00 Q&A session