



Energy Conservation Trifecta

Tuesday, May 14, 2019

Heat rejection is an integral component of many processes. Carbon dioxide along with other gases are also byproducts. Particulate emission is another byproduct component.

Each component affects our environment and process efficiencies.

This presentation reviews a new patented process to recovery energy, to reduce carbon dioxide emission, and to reduce particulate emission.

Water vapor from various processes, especially wet scrubbers, contains a high amount of energy that can be captured. This energy is repurposed to generate electricity, recover water, and capture particulates.

Carbon dioxide and other gases condense with water to produce ions that can be recycled. Condensation of water vapor is an excellent way to capture fine particulates that pass through dust collectors and wet scrubbers.

Speaker

Joseph G. Spagnuolo, PE, MBA, FAIChE. Joe has 50 years of heavy industry experience. He has worked with Rotary Dryer/Kiln and Fluidized Bed Design, Start-up, and Troubleshooting. He has designed unique equipment for specific processes and managed a project to build a million-gallon propane unloading/storage/production facility to produce natural gas equivalent for residential, commercial, and industrial users.

Joe has a 40-year background in Industrial Water Treatment for Power Plants, Steel Mills, Paper Mills, Chemical Plants, Food Plants, and Automotive Plants. He has also earned Unescorted Access to 2 nuclear power plants.

Joe holds a BSE in Chemical Engineering from the Fenn College/Cleveland State University (1970), has been a Registered Professional Engineer in the State of Ohio since 1971, and holds an MBA in Systems Management (1981). Joe was elected an AIChE Fellow in 2014.

Joe started Holistic Engineering Inc. in 1996, and continues today to provide Innovative Process and Energy Management Solutions.

Location:

Boneyard
101 East Royalton Rd.
Broadview Heights, OH 44147
440-717-9464

Times:

Social Gathering: 5:30 – 6:00 pm

Dinner: 6:00 – 7:00 pm

Presentation: 7:00 – 8:00 pm

Meal: Dinner orders will be taken from the house menu

Please make reservations with Joe Yurko by Friday, May 10th at joseph.yurko@xellia.com.