



American Institute of Chemical Engineers, Cleveland Section

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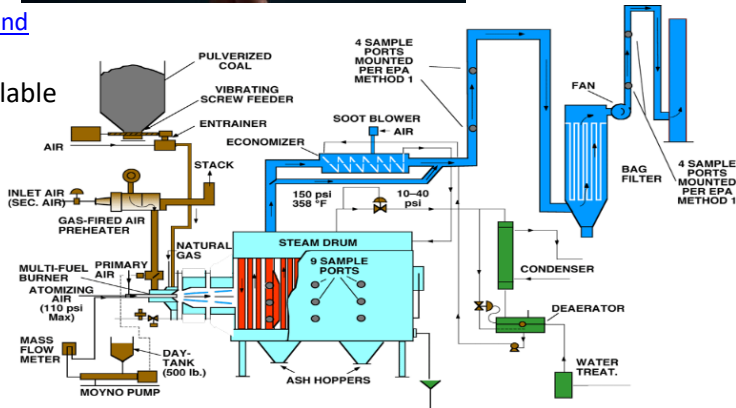
[AIChE Cleveland Section](#) and let colleagues know it is available



Thursday, March 24, 2022

Shula's 2 Steak & Sports Restaurant

Innovative Engineering



Abstract: Equipment design and operations follow engineering fundamentals and guidelines to assure safety, energy efficiency, and environmental stewardship.

The guidelines provide general information to address the wide range of operating conditions. In many situations, past practice is accepted as normal operation, especially when close engineering review isn't available.

This presentation will cover boiler, cooling, wastewater, and process examples that expand these guidelines through examples of innovative engineering.

Speaker: Joseph G. Spagnuolo, PE, MBA, FAICHe; Joe has over 50 years of heavy industry experience, starting with design, startup and troubleshooting of Rotary Dryer/Kiln, and Fluidized Bed equipment. He has designed unique process equipment for specific processes and was project manager for grass roots construction of a million-gallon propane storage facility with 30,000-gallon tanker rail unloading, 2000 HP air compressors and 1 MMSCFH natural gas equivalent production. Joe has 40 plus years background in Industrial Water Treatment for Power Plants, Steel Mills, Paper Mills, Chemical Plants, and Automotive Plants. He has earned unescorted access to two Ohio nuclear power plants. Numerous innovative processes have been implemented resulting in significant cost reductions and environmental improvements.

Joe holds a BSE in Chemical Engineering from Fenn College/CSU 1970 and was in the first Order of the Engineer Ceremony. He has been a Registered Professional Engineer since 1971. He was elected an AIChE Fellow level in 2014. Joe holds a 1981 MBA in Systems Management from Baldwin Wallace University.

Joe started Holistic Engineering Inc in 1996 and continues today to provide innovative Process and Energy Management Solutions. Joe is a process patent inventor – the process produces net energy and recovers water from wet scrubbers while reducing particulate and carbon dioxide emissions.

Joe has judged high school science fairs for over 45 years, including 2 international fairs, and provides career guidance through AIChE. CSU recognized First Energy and Joe for Engineer for a Day programs.

Charitable involvement includes CLAA, NDCL, St. Clarence Church, St. Malachi Center, and Regina Health Center.

Please email Joseph Yurko if you plan to attend the presentation so AIChE will make the guest seating arrangements with Shula's 2 Restaurant. An AIChE Continuing Professional Development certificate will be Emailed to you after the meeting. Thank you!

Meeting Location: Please RSVP with Joseph Yurko prior to the meeting so you will be Emailed a Zoom Link to attend the presentations

Shula's 2 Steak & Sports Restaurant

6:00 – 6:30 pm: Gathering Social Time

6:30 – 7:30 pm: Dinner

7:30 – 8:30 pm: Presentation

Located in: [DoubleTree by Hilton Hotel Cleveland - Independence](#)

Address: 6200 Quarry Ln, Cleveland, OH 44131

Cost: **Guest Choice from Menu:** [shulas.com](#)

Phone: [\(216\) 901-7852](#)



RSVP by March 21st with Joseph Yurko and AIChE: j.yurko@sbcglobal.net

**Cleveland Section 017 of
THE AMERICAN INSTITUTE OF CHEMICAL ENGINEERS
Steering Committee 2021 - 2022**

