



**American Institute of Chemical Engineers,
Cleveland Section**

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Thursday, December 8, 2022, 6:00 PM

Red Lobster Restaurant, (3655 Orange Place, Beachwood, OH 44122)



Nuclear Energy: Power and Carbon Reductions

Andrew Ohrablo, Maintenance Engineering Supervisor, Perry Nuclear Power Plant, B.S. Nuclear Engineering, Nuclear Regulatory License from Senior Reactor Operator License Class

Abstract: As the world and the country try to go green, many are taking a fresh look at nuclear power because as non-emitting power source. Previous lectures have covered, how is power generated from a nuclear reaction, what is the process for splitting of the atom, why is the nuclear reaction different than conventional power generation and what are some of the proposed new designs for nuclear power plants. We will discuss the current state of nuclear developments and how nuclear power is being used to support global carbon reduction. There will be a discussion on world events and their impact on nuclear power. Along the way, we will reinforce the basic terminology and physics behind this electrical source. A short portion will delve into accidents that are analyzed for in reactor licensing. The lecture will end with an open forum for questions. Please tune in if you are interested in the applications and uses of nuclear energy for power generation and carbon reduction.

Biography: Currently Mr. Ohrablo is the Maintenance Engineering Supervisor at Perry Nuclear Power Plant with over 30 years of study and experience in the nuclear power field. Mr. Ohrablo started his nuclear career with the United States Navy in 1987. After training as a nuclear electrician, he was stationed on the USS Enterprise and served till 1993. Following his time in the Navy, Mr. Ohrablo returned to school at The Ohio State University. He transferred to the University of Wisconsin at Madison and received his Bachelor of Science Degree in Nuclear Engineering in 1998. Mr. Ohrablo's thesis was on the design of a Liquid Sodium Cooled Fast Breeder Reactor. He then began a career in the civilian nuclear power field as a Shift Technical Engineer at Cooper Nuclear Station in Brownville, Nebraska. In 2008 he completed Senior Reactor Operator License Class and received his Nuclear Regulatory License effective March 27th, 2008. Senior Reactor Operator License Class is a 15 to 18-month instruction course that goes over the design, operation and accident response for a specific nuclear power plant. In 2014 he returned home to Ohio to work at Perry Nuclear Power Plant as a Work Week Manager and is now the Maintenance Electrical Engineer at Perry.

Please email Joseph Yurko by Tuesday, December 6th if you plan to attend the presentation so AIChE will make the guest seating arrangements with Red Lobster Restaurant. An AIChE Continuing Professional Development certificate will be Emailed to you after the meeting. Thank you!

Meeting Location:

3655 Orange Place
Beachwood, OH 44122

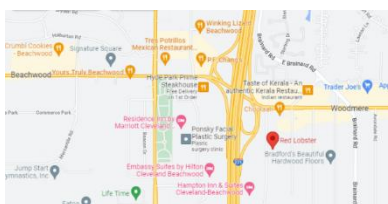
Red Lobster Restaurant

6:00 – 6:30 pm: Social Gathering
6:30 – 7:30 pm: Dinner
7:30 – 8:30 pm: Presentation with Q & A

www.redlobster.com/seafood-restaurants/locations/oh/beachwood/3655-orange-place
(216) 464-4057

Cost: \$5 for everyone to cover room rental fee
(cash please) Plus \$5 for Students & Retired for dinner cost
Plus Employed Guests pay dinner cost from menu

Menu: <https://www.redlobster.com/menu>



RSVP Required by Tuesday, December 6th with Joseph Yurko and AIChE: yurkojoe5@gmail.com

Cleveland Section 017 of THE AMERICAN INSTITUTE OF CHEMICAL ENGINEERS Steering Committee 2022 - 2023

