

## **Seminar 1 - Liquid and Gaseous Process Solutions (November 15, 2017)**

8:00 am -9:00 am

**Energy Recovery Solutions**



**Tranter Corp.**

**Presenter: Osama Shenouda P.Eng.**

Osama is the North America Outside Sales Director for Tranter Inc., a diversified multi-disciplined heat transfer solution manufacturer. He is a Chemical Engineer (PEng.) with over 19 years of applied heat transfer knowledge in multiple market applications across North America.

**Presenter: Jason Glougie**

Jason is the Prime Surface Business Development Manager for Tranter Inc., a diversified multi-disciplined heat transfer solution manufacturer. He is a Mechanical Engineer with almost 10 years of applied heat transfer knowledge in multiple market applications across North America.

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9:15 am - 10:15 am

**Design and Fabrication of Steam Surface Condenser & Feed Water Heater**



**MAARKY Thermal Systems**

**Presenter: Dr. Ranga Nadig**

Dr. Ranga Nadig is the Manager of Sales & Marketing for Maarky Thermal Systems. Dr. Nadig received his Ph.D. in mechanical engineering from University of Utah in 1984, M.S. from University of Utah in 1983. Dr. Nadig has spent his entire career in thermal sciences as applied to heat transfer components. Dr. Nadig has several patents and has published numerous papers on the design of heat transfer equipment such as steam surface condensers, feedwater heaters and heat exchangers. The conclusions of Dr. Nadig's publications have been implemented in the control logic of numerous combined cycle plants. Dr. Nadig has made valuable contributions to the Heat Exchange Institute (HEI) during his tenure as the Chairman of the steam surface condenser and heat exchanger sections. His contributions are documented in the latest HEI standards.

10:30 am - 11:30 am

Heating and Cooling High Viscosity Liquid and Gases with Spiral Technology



Nexson Group

Presenter: Charles Bonnafous (President and CEO)

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12:50 pm - 1:50 pm

Optimized Thermal Lining Design for Heaters



Morgan Thermal Ceramics

Presenter: Roland Stanisz

Roland has been with Thermal Ceramics for 35 years with a focus on applied refractory ceramics, ceramic blankets and modules, and new insulation materials.

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2:05 pm - 3:05 pm

High Efficiency Process Liquid Heating with Submerged Combustion Technology



Inproheat Industries Ltd.

Presenter: Wesley Young, P.Eng.

Wes has had a diversified career in the mining, oil and gas, and oil sands industry over a period of 39 years. He has worked on many projects in the natural resource sectors, developing, designing, and operating processing facilities. Wes has worked with Inproheat for more than ten years, primarily in the execution of Inproheat's proprietary SubCom projects, and developing new applications and designs. He now holds the position of Chief Technical Officer with Inproheat.

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## **Seminar 2 - Combustion and Emission Solutions (November 16, 2017)**

**8:00 am - 9:00 am**

**Applied Thermal Oxidation Technologies for Industry**



**John Zink Company LLC**

**Presenter: Adam Bader**

Adam Bader serves as the Director of TO Aftermarket Sales and Service with John Zink Hamworthy Combustion. He has over 12 years of experience in the industry including background in the design, operation and service of flare systems and thermal oxidizers.

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**9:15 am - 10:15 am**

**Ultra-Low-NOx Combustion Technologies for Boilers and Process Heaters**



**John Zink Company LLC**

**Presenter: Wayne Wieszczyk (Burner Boiler Group)**

Wayne Wieszczyk is Sr. Application Engineer with Coen/John Zink for over 30 years. Primary responsibilities are focused on Application Engineering of combustion products for Boilers, Heaters, and OTSG Generators.

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**10:30 am - 11:30 am**

**Industrial Package Boilers and HRSG's**



**Rentech Boiler Systems Inc.**

**Presenter: Jon Backlund**

Jon Backlund, Senior Sales Engineer & Contracts Manager. Jon's career spans over 40 years in the boiler/burner industry. In addition to his current position with Rentech, Jon was Chief Operating Officer of Coen Company, Inc. from 1997 to 2009, and was responsible for all combustion products, including duct burners and packaged burners for power and industrial applications. Jon holds a Mechanical Engineering degree from MIT and a Master's Degree from Stanford University.

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11:45 pm – 12:45 pm

**The Challenges of HRSG Design in an Ever Changing World**



**Nooter Eriksen**

**Presenter: Dan Kloeckener**

Dan is the Nooter/Eriksen Sales Engineer responsible for Canada and the Western US. He began his career with Nooter/Eriksen in the Thermal Design Department where he was a lead design engineer for a number of customized HRSGs across North America. In his time with the Thermal group he also developed a patented method of feedwater preheating that protects the HRSG from high temperature sulfuric acid corrosion. Dan holds a B.S. in Mechanical Engineering with a Minor in Aerospace Engineering from the University of Missouri-Columbia.

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12:50 pm - 1:50 pm

**Vapor Recovery, Vapor Combustion, Flare Gas Recovery, and Biogas Applications**



**John Zink Company LLC**

**Presenter: Harley Cooper**

Harley Cooper, P.E. Vice President, Vapor Control Systems. Harley holds a B.S. in Mechanical Engineering and an MBA from the University of Tulsa. He is a licensed Professional Engineer in the state of Oklahoma. Harley has spent over 30 years of his career in systems engineering and design, with a high concentration on systems design for the vapor control industry. He has been the business leader for the Vapor Control Group at John Zink since 2011.

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2:05 pm – 3:05 pm

**Optimized Fired Heaters for Oil & Gas Applications**



**Sigma Thermal**

**Presenter: Matthew N. Hall**

Matthew is a valuable member of the team at Sigma Thermal, Inc. He brings a wealth of knowledge in the areas of process heating systems, steam generation, combustion and automation. Sales Engineer, Sigma Thermal, Inc., August 2013 to present.

Applications and Combustion Engineer, Coen Company, July 1991 to August 2013

Steam Plant Operator, Woodland Biomass, a 25 MW biomass-to-power facility, May 1988 to July 1991.

Ship Superintendent, Continental Maritime, a major ship overhaul and alteration shipyard for US Navy war ships of all types, July 1985 to July 1991.

Bachelor of Science degree in Marine Engineering Technology from the California Maritime Academy located in Vallejo, California, 1985.

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**Inproheat Industries Ltd.**

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