



Molding a Sustainable Future

Steel Conference 2024

February 20-22, 2024

Tampa, Florida



ABOUT EVENT

Nalco Water is excited to announce its 2024 Global Steel Conference hosted by the Global Primary Metals Team. As we assess the industry's decarbonization goals, this conference is suitable for professionals in the steel industry interested in expanding their expertise in sustainability related to water's impact on CO₂ emissions through the steel process and predictability in the process.

When

February 20-22, 2024

Where

The Westin Tampa Waterside
725 South Harbour Island Boulevard,
Tampa, Florida, 33602

Contact

PMI@ecolab.com
(224) 688-3053



DAY 1
Tuesday
FEBRUARY 20th

4:00-5:00 Check In & Registration
5:00 Welcome Reception
6:30 Dinner



DAY 2
Wednesday
FEBRUARY 21st

7:00 Breakfast
8:00 Welcome & Introductions
8:30 Fundamentals Of Water Treatment
Why We Treat Water
9:30 Water Treatments
Corrosion, Scale, Fouling & Microbiological Control
10:15 Break
10:30 Introduction To Liquid/Solid Separation
Coagulation/Flocculation
Water treatment fundamentals for process efficiency and productivity in steel
11:15 Fundamental Liquid/Solid Equipment
12:00 Demo On Solid/Liquid Separation
12:30 Lunch
2:00 Water's Impact On Steel Mill
Return On Investment: Melt Shop
3:15 Break
3:30 Water's Impact On Steel Mill
Return On Investment: Continuous Casting & Hot Rolling Mill
4:45 Wrap Up
6:30 Dinner

DAY 3
Thursday
FEBRUARY **22**nd

- 7:00 Breakfast
- 7:45 Recap Of Previous Day's Topics
- 8:00 **Steel Of The Future**
Philip Bell, President Of SMA
- 8:45 Break
- 9:00 Breakout Sessions A
- Choose:
- I. DRI
Recognize the best way to treat water in the DRI Plant by applying industry proven best practices and innovative technologies by Nalco Water
- II. Material Handling
Learn what solutions are available to ease and smoothen the material handling operations of solid raw materials
- 10:30 Breakout Sessions B
- Choose:
- I. Caster Conservation
Apply best practices in contact and non-contact cooling systems of the continuous caster to preserve the system from corrosion, fouling and scaling
- II. Biological Control
Discover treatment that minimizes the adverse effects of micro and macro biological impact on cooling systems
- 11:30 Round Table Wrap Up
- 12:00 Lunch
- 12:30 External Activity
Deep sea fishing or golf

SPEAKERS



PHILIP K. BELL

Steel Manufacturers Association - President

Philip K. Bell is President of the Washington, DC-based Steel Manufacturers Association. He is a 30-year industry veteran, who developed an interest in the steel industry and manufacturing in the late 1980s while working in maintenance and operations at Elementis Chromium in Corpus Christi, TX.

He currently serves on the U.S. Department of Commerce International Trade Advisory Committee on Steel (ITAC 11), advising the Secretary of Commerce and United States Trade Representative on trade policy, trade agreements, and other trade related matters. He is also a member of the United States delegation to the OECD steel committee.

Phil is on the board of directors of the National Association of Manufacturers (NAM) and the American Society of Association Executives (ASAE). He is also a member of the Association of Iron & Steel Technology and serves on the board of trustees at Hamline University in St. Paul, MN.



PHILIPPE PELLEGRIN

Industry Technical Consultant Lead Nalco Water - Europe

Philippe Pellegrin has over 29 years of experience with Nalco Water. Prior to joining the Heavy Team at Nalco Water, he worked in Central and Western Africa for five years. He moved to be the area representative in the North of France, Belgium and Luxembourg, and then was promoted to area and district manager for this area with several integrated steel mills and electrical steel mills of ArcelorMittal group, Riva, TATA and others. Since 2017, Philippe Pellegrin has overseen the technical expertise team for the Heavy Industries in Europe, covering the PMI, Chemical and Power industries.

Philippe's functional areas of expertise include process & water audits in steel & power plants, benchmarking the process performance, outlining the recommendations for improvement and executing recommendations with clear action plan with short, medium & long-term actions.



CHANDRASHEKHAR RANE

Industry Technical Consultant Lead Nalco Water - India, Middle East & Africa

Chandrashekhar Rane has more than 28 years of experience in the Heavy Industry, mostly in steel and fertilizers, and has been with Nalco Water for over 11 years. Prior to joining Nalco Water, Chandrashekhar has worked in Steel plants managing various operations. He worked with HADDED (SABIC) managing water systems for integrated steel complex of flat and long products through the DRI-EAF Process. Prior to this he also worked with TATA Steel (Formerly NEELACHAL ISPAT NIGAM LTD) as Dy. Manager Water Systems for an integrated steel facility through BF-BOF Process.

Chandrashekhar's functional areas of expertise include process & water audits in steel, fertilizer & power plants, benchmarking the process performance; engineering services including execution of front-end engineering package (FEED); operations management of water systems and utilities in the heavy industry including operations, maintenance, sustainability and continuous improvements.



EDWARD GRODECKI

Senior Industry Technical Consultant Lead Nalco Water - North America

Edward Grodecki has 35 years of water treatment experience in the Heavy Industry, primarily in the steel and power industries, and has worked for Nalco Water for 18 years. Prior to joining Nalco Water, Ed worked in the water treatment field with Betz Industrial and Ashland Chemicals water treatment division.

Ed's functional areas of expertise include utility water treatment in heavy industrial facilities including influent water treatment, wastewater treatment, field erected and package boiler operations and open, closed and once-through cooling treatment. Additionally, he has experience with integrated mills including blast furnace cooling and gas cleaning, BOF cooling and gas cleaning, caster cooling systems, hot and cold mill treatment, coke making and wastewater treatment including oily waste, pickle rinse and metals removal. His Mini Mills expertise includes melt shop (EAF and casting), hot and cold mill treatment and wastewater treatment.



JOHN CIOFFI, PMP

Industry Technical Consultant Nalco Water - North America

John Cioffi has more than 35 years of experience in the heavy Industry and has been with Nalco Water for over 9 years. John has 19 years of steel industry water treatment experience. John is currently focused on EAF Electrode Conservation, Low Phosphorus & Non-Phosphorus Cooling Water Treatment program innovations.

Prior to joining Nalco Water, John worked for U.S. Steel (15 years) and worked further upstream in the integrated steel industry for SunCoke Energy. As a producer, John has experience conducting projects in Cokemaking, Iron Producing, BOF Steelmaking, Sintering, and Casting areas.

John's functional areas of expertise include treatment program modelling, best practice gap assessments for process and cooling water. His assessments include benchmarking the process performance, discovery of mechanical, operational, and chemical area shortcomings, recommendations for improvement for immediate, midrange, and long range timing and KPI's and leading indicators to measure improvement.

Nalco Water, an Ecolab Company

North America: 1601 West Diehl Road • Naperville, Illinois 60563 • USA

Europe: Richtistrasse 7 • 8304 Wallisellen • Switzerland

Asia Pacific: 52 Jurong Gateway Road, #16-01 Jem Office Tower, Singapore 608550

Greater China: 18G • Lane 168 • Da Du He Road • Shanghai China • 200062

Latin America: Av. Francisco Matarazzo • nº 1350 • Sao Paulo – SP Brazil • CEP: 05001-100

Middle East and Africa: Street 1010, Near Container Terminal 3, Jebel Ali Free Zone, PO BOX 262015, Dubai UAE

ecolab.com/nalco-water

Ecolab, Nalco Water and the logos are Trademarks of Ecolab USA Inc.
©2023 Ecolab USA Inc. All Rights Reserved

NALCO Water
An Ecolab Company