

OLI Simulations for Refining Operations
30 January 2017 at Hilton Galveston Island
Galveston, TX

Description: 1-day training in electrolyte simulation techniques using OLI Studio, focused on refining applications

Time: One 8-hour day

Summary: This course is designed to train participants on using OLI Studio to compute the properties and corrosion potential in refinery streams. The applications studied are based on attendee interests, and include the following:

- Phase properties of ammonium-chloride and organic amine-hydrochlorides and the formation of salts from vapor phase
- Amine-hydrochloride deposition in overheads and reactor effluent circuits
- Bicarbonate/carbonate buildup in water cycle-up, and computing species abundance that lead to stress corrosion cracking (please note that actual cracking mechanism/rate is not predicted)
- Estimating errors resulting from extractive sampling procedures (pH/speciation/VLE shifts)
- Other applications that are submitted by attendees prior to the training date

Participants will leave with a qualitative understanding of the chemical mechanisms controlling the properties and phase behavior of each streams that is studied in the examples. Attendees will also learn how to use OLI Studio in refinery applications.

Who should attend: Refinery corrosion and process engineers

Class is designed for participants with little or no knowledge of OLI simulation techniques. Intermediate level clients may also join this class with questions about specific techniques for formulating cases in OLI Studio.

Instructor: AJ Gerbino, PhD, an electrolyte simulation expert and author of the workshop

Cost: \$400 USD per person / \$450 USD within two weeks of course

Register: Online: <http://olitraining.aqsim.com>

Email: dira.salama@aqsim.com

Phone: USA 1-973-998-0240 x114

Accommodations: Please bring a laptop.

OLI Software: OLI Studio, OLI Flowsheet-ESP

All participants receive 30-day evaluation copies of the full software.