

# CORE CONFERENCE

CALL FOR ABSTRACTS!



## IWEA Core Conference

March 20<sup>th</sup>, 2019

Valle Vista Conference Center, Greenwood Indiana

### Abstract Submission Deadline: November 30<sup>th</sup>, 2018

The Core Conference will be hosted by the IWEA Laboratory, Operations & Maintenance, and Residuals & Resource Recovery Committees. Forum topics will provide discussion on the core aspects of wastewater treatment and the beneficial reuse of wastewater treatment residuals.

### Conference Topics

Abstracts are now being accepted! We are excitedly soliciting abstracts pertaining to research, technologies, operations, maintenance, case-studies, regulatory requirements, analysis, sustainability, residuals management, biosolids, biogas, nutrient removal, and more! Symposium ideas include:

#### Biogas

- Biogas recovery technologies
- Minimum requirements for CHP, CNG, & RNG
- Waste profiles for RNG D3 and D5 categorizations
- Regionalization of biosolids facilities
- Biogas recovery cost-analysis
- Gas equipment & piping

#### Nutrient Removal

- Nitrogen removal case studies
- Climate effects on nutrient removal

#### Laboratory

- Analyzing phosphorus: Ortho vs. TP
- Analyzing a BioP start-up WWTP
- BacT Analysis: Microscopy and/or LuminUltra
- Sampling & the Lab: Integrity, homogeneity, field duplicates, etc.
- Online Analyzers: Operation, maintenance, & QA
- Gas sampling & analysis
- Tips & troubleshooting for small labs
- Quick onsite analysis of hauled septage
- Aerobic digester analysis

#### Biosolids

- Case studies: Effect of BioP removal on biosolids
- Managing biosolids in a small community
- Overcoming land application hurdles
- Managing lagoon residuals
- 503 Regulations: Overview, Sampling, Statistics
- Dewatering technologies & energy consumption

#### Operations

- Sidestream treatment technologies & case studies
- Effects of septage receiving on the WWTP
- Online analyzers
- Generators, boilers, blowers
- Mixer technologies & comparisons
- O&M of digesters (aerobic & anaerobic)
- Lagoon treatment operations
- Decreasing energy consumption
- Maximizing digester capacity
- O&M of facilities accepting FOG waste
- Case studies