



2018/19 LIFT COMMITTEE ANNUAL REPORT

3 December 2018

2019/2020 Committee Goal:

The IWEA LIFT committee serves as a local innovation hub, connecting local innovation interests, activities and resources with those of the national program. The IWEA LIFT committee helps to communicate information to and from the national program, and facilitate engagement between the local and national program. As a goal, the committee helps foster and grow a culture of innovation in the State of Illinois.

2018/19 Committee Members:

Below is a list of active committee members as of 3 December 2018:

Member Name	Position
Nina Kshetry	Chair
Sara Arabi	Vice-Chair
Brooke Henry	Member
Kam Law	Member
Lou Storino	Member
Meagan Matias	Member
Joe Cummings	Member
Craig Brunner	Member
Dave Koch	Member
Mark Halm	Member
Omkar Ghavi	Member
Kuldip Kumar	Member
Arun Mande	Member
Mwende Lefler	Member
Eider Alvarez-Puras	Member
Jane Schimpa	Member

2018/19 Summary of Activities:

The following is a list of articles for our committee:

Summer 2018: LIFT Committee Tour of Aqua-Aerobic Research and Technology Center and Aqua-Nereda ® Demo Plant, written by Nina Kshetry

2018 Innovative Technology Tour (Joint Event with CSWEA)

Location: Aqua-Aerobic Research and Technology Center located at the Rock River Water and Reclamation District
Technology: AquaNereda ® Demo Plant and Aqua-Aerobic Research and Technology Center

Date: 29 June 2018



2018 LIFT Affiliate Meeting at WEFTEC

Objective: Meeting other LIFT Affiliates and discuss success stories and lessons learned.

Location: Room 274

Date: 1 October 2018 2pm to 3pm Central Time

Attendees: Lou Storino and Nina Kshetry

2018 Innovative Technologies Dinner:

Location: DOC Wine Bar, Lombard, IL

Speaker: Andy Szekeress, Veolia Water Technologies, Inc.

Title: Low Level Phosphorus Compliance – Advanced Tertiary Treatment

Date: 5 December 2018

2019 LIFT Track at IWPC (12 February 2019):

Confirmed Presentations:

1. *Understanding the Sensing Capabilities of Microbial Electrochemical Cells* to be presented by Prof. Roland Cusick and Patrick Kiely (University of Illinois at Urbana-Champaign)
2. *Installation and performance review of the first installed Algae Based Wastewater Treatment Facility* to be presented by Daniel Johnson (OneWater, Inc.)
3. *Digital Water: Treatment Plant Operational Improvements Enabled by Machine Learning* to be presented by Andrew Chastain (Atonix Digital)
4. *Emerging Water Reuse Frameworks for Military Sustainment and Resiliency* to be presented by Dr. Martin Page (US Army Corps of Engineers)
5. *Membrane Aerated Biofilm Reactors: A Pilot Scale Study* to be presented by Leon Downing and Sandeep Sathyamoorthy (Black and Veatch)
6. *Introducing the First Full-Scale Membrane Aerated Biofilm Reactor* to be presented by Amy Underwood (Deuchler)

Additional Activities:

Website: Information on the LIFT committee page was updated.

Respectively submitted,

Nina Kshetry, P.E.

LIFT Committee, Chair