MEETING AGENDA
Water and Environmental Technology (WET) Center
Temple University, University of Arizona, Arizona State University
Industrial Advisory Board (IAB) Annual Meeting
December 12-13, 2019

Location: Water & Energy Sustainable Technology (WEST) Center
2959 W Calle Agua Nueva
Tucson, AZ  85745

Wednesday, – December 11, 2019
Arrival in Tucson- Check into hotels.

6:00-8:00 PM  Informal Meet-and-Greet – Texas Roadhouse, 8450 N. Cracker Barrel Rd, Marana, AZ

Thursday – December 12, 2019
UA WEST Center, 2959 W. Calle Agua Nueva
Radon Room

Convener - Ian Pepper, UA Site Director

7:30-8:00 AM  Breakfast

8:00-8:10 AM  Opening Remarks and Introduction of Participants
Ian Pepper, UA Site Director

8:10-8:20 AM  State-of-the-Center Report - Temple University
Rominder Suri, Temple Site Director

8:20-8:30 AM  State-of-the-Center Report – University of Arizona
Ian Pepper, UA Site Director

8:30-8:40 AM  State-of-the-Center Report – Arizona State University
Morteza Abbaszadegan, ASU Site Director

8:40-8:50 AM  Overview of Forms:
Project Reports; Continuation Project Funding Requests; New Proposals, David Tansik, WET Center Evaluator
8:50-9:20 AM  University of Arizona - New Project Proposals

- [UA-P01-F19] Influence of Magnetic Fields on Water-based Legionella and Pseudomonas, Aidan Foster and Ian Pepper
- [UA-P02-F19] Influence of Microplastics on Soil Health and Potential Transport to Groundwater, Chuck Gerba, Jeff Prevatt, Dan Quintanar, and Ian Pepper
- [UA-P03-F19] Incidence of PFAS in Long-Term Land Application Sites, Ian Pepper and Jeff Prevatt

9:20-9:35AM  University of Arizona - Continuation Projects Requesting Additional Funding


9:35-9:45AM  Complete L.I.F.E. Forms (IAB only)

9:45-10:00AM  Break

10:00-10:30AM  Arizona State University - New Project Proposals

- [ASU-01-F2019] Microbial and Mineral Fouling of Template Assisted Crystallization Media and Impacts of Crystallization Efficacy, Peter Fox
- [ASU-02-F2019] Microbially Induced Corrosion in Water Storage Tanks, Morteza Abbaszadegan and Absar Alum
- [ASU-03-F2019] Comparison of Legiolert and Cultural Method for the Detection of Environmental Legionella in the Central Arizona Waters, Morteza Abbaszadegan

10:30-11:00AM  Arizona State University - Continuation Projects Requesting Additional Funding

- [ASU-01-09] Regional Water Quality – Water Quality in Central Arizona Source Waters, Peter Fox and Morteza Abbaszadegan
- [ASU-03-18] Bioremediation of Hexavalent Chromium and Lead using Metallophilic Fungi, Absar Alum and Morteza Abbaszadegan

11:00-11:10AM  Complete L.I.F.E. Forms (IAB only)

11:10-12:00PM  Temple University – Progress Reports, Not Requesting Additional Funding

- [TU-16-02] Removal of Perfluorinated Compounds (PFAS) in Water using Ultrasound, Rominder Suri
- [TU-16-02] Removal/degradation of Perfluorinated Compounds (PFAS) in Water-Electrooxidation, Sibel Barisci and Rominder Suri
- [TU-17-04] Fate Properties of a New Perfluorinated Compound (PFAS), Sibel Barisci and Rominder Suri
• [TU-05-F2018] Review and Assess Current and Emerging Treatment Technologies for PFAS in Permitted Effluents (e.g., effluents from municipal and industrial WWTPs); Sibel Barisci, Paul Yaroschak and Rominder Suri
• [TU-18-03] Removal of Selenium, Dichlorobenzene and other Co-contaminants from Water, Mithil Nayungari and Rominder Suri
• [TU-17-01] Analytical Method Development and Treatability Studies for the Removal of antibiotics and antimicrobial resistance genes (ARGs), Dabojani Das, Rominder Suri, Mohan Achary
• [TU-19-02] Management of Secondary Sludge at Municipal Wastewater Treatment Plant by Co-digestion with Food Waste; Rominder Suri, Temple University

12:00-1:00PM    Lunch

1:00-2:00PM    Arizona State University - Progress Reports, Not Requesting Additional Funding

• [ASU-02-18] Template Assisted Crystalization for Scale Control in Low Pressure Reverse Osmosis, Peter Fox
• [ASU-05-17] AOP of NDMA using Low Pressure UV and Reflective Technology, Sunny Natekar and Morteza Abbaszadegan
• [ASU-01-18] Genetically Modified Legionella for Applications in Engineering Process Validation in Water Industry, Saleh Aloraini and Morteza Abbaszadegan
• [ASU-05-18] Reduction of Waterborne Bacteria by using Controlled Electric Field, Morteza Abbaszadegan and Absar Alum

2:00-3:00PM    University of Arizona - Progress Reports, Not Requesting Additional Funding

• [UA-06-S18] Characterization of Corrosion of Water Delivery Pipes, Don Gervasio and Dan Quintanar
• [UA-09-S18] AMP Index as a Metabolic Indicator of Soil Health, Luisa Ikner and Ian Pepper
• [UA-01-S19] Influence of Magnetic Field on the Efficacy of Chlorine Disinfection of Water, Aidan Foster, Erika Stark, Luisa Ikner, and Ian Pepper
• [UA-02-S19] Incidence of Human Pathogenic Viruses in 40 Samples of Biosolids from WWTPs in Virginia, Luisa Ikner, Huruy Zerzghi, Ian Pepper, and Chuck Gerba

3:00-3:15PM    Break

3:15–4:15PM    Future of WET Center
IAB Closed Door Discussions with Center/Site Directors
Complete LIFE Forms (IAB Only)

4:15–4:45PM    IAB Closed Door Discussions without Center/Site Directors

6:00 PM    Dinner (TBD)

Closed Door WET Center IAB Meeting
Friday, December 13, 2019

UA WEST Center, 2959 W. Calle Agua Nueva
Catalina Room

8:30-9:00 AM  Breakfast

IAB Closed Door Discussions with Center/Site Directors

9:00-11:00 AM  Feedback from IAB on presentations and L.I.F.E. forms, and discussions.

Other Agenda Items:
➢ Approval of previous meeting minutes.
➢ State-of-the-Center
➢ Future Research Topics – from IAB.
➢ Next meeting

11:00-11:15 AM  Closing Remarks
Adjourn

Friday PM  Tour of UA WEST Center Laboratory Facilities (OPTIONAL)