



## Water Quality & Purification Workshop *October 23, 2019*

hosted by Ecolab, Sugar Land

***Are you developing water quality or purification technologies or solutions?***

***Are you looking for solutions or collaboration partners?***

The Technology Collaboration Center will hold a workshop on Water Quality & Purification, hosted by Ecolab in Sugar Land, on Wednesday, October 23, with presentations on the latest technology developments or unmet challenges, and interactive sessions on the formation of new technology collaboration partnerships related to water.

TCC workshops are designed to explore potential relationships with others attending the workshop that may have common interests in the workshop topic area.

### **AGENDA**

- 8:00 Networking Breakfast & Registration**
- 8:30 Welcome Remarks**
- 8:45 Presentation Panel (6 speakers)**
- 10:05 Networking Break**
- 10:25 Water Strategic Challenge Overview**
- 10:35 Water Challenge Topics Overview**
- 10:50 Discussion Groups: Unmet Challenges**
- 11:50 Group Reports: Unmet Challenges**
- 12:20 Networking Lunch**
- 1:05 Presentation Panel (6 speakers)**
- 2:25 Networking Break**
- 2:45 Discussion Groups: Potential Solutions**
- 3:45 Group Reports: Potential Solutions**
- 4:15 Water Strategic Challenge: Next Steps**
- 4:30 Adjourn**

Tickets for the workshop are \$100. TCC Members get a 50% discount. TCC Individual Memberships can be purchased for \$150, which includes a ticket to the workshop and discounts on TCC workshops for the next year.

Details on the workshop, including the agenda, presenters, and workshop location will be provided to registered attendees.

Register now online through the TCC's website. The registration deadline is noon, October 21.

### **SCHEDULED PRESENTATIONS**

#### **ABI Enterprises:**

*Grey Water Reclamation*

#### **Biolargo (client of TMA BlueTech, TCC Member):**

*PFAS Contamination of Water*

#### **DuPont:**

*Minimal Liquid Discharge*

#### **Ecolab (TCC Member):**

*3D TRASAR™ for Continuous Monitoring & Control of Water Quality*

#### **Federal Laboratory Consortium:**

*Available Water Technologies at the Federal Labs*

#### **Katz Water Technologies:**

*Desalination of Produced Water Using a Thermal Distillation System*

#### **M4 Knick:**

*Water Quality Monitoring - Microprocessors for Online Liquid Analytics*

#### **NASA Marshall Space Flight Center (TCC Member):**

*Overview of the ISS Water Recovery System*

#### **Ossus Biorenewables:**

*OB HydraCel BioHardware*

#### **Rice University (TCC Member):**

*Low Energy Desalination*

#### **Texas Tech University:**

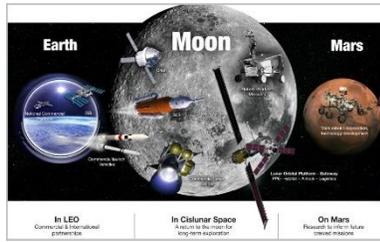
*Biological Treatment of High Strength Waste Streams for Wastewater Recycling Applications*

In addition to two presentation panel sessions, this workshop will feature interactive discussion sessions exploring formation of new partnerships in 6 topic areas:

- **Water purification**
- **Water recycle, reuse & reclamation**
- **Water quality monitoring**
- **Water challenges in the energy sector**
- **Desalination**
- **General industrial water challenges**

After the workshop, the TCC plans to launch projects to form one or more new strategic partnerships related to water topics, based on the results of the workshop discussion sessions.

# About the Technology Collaboration Center



The Technology Collaboration Center, an independent 501c3 non-profit, is a partnership between the NASA Johnson Space Center, industry and universities, with the mission of solving difficult technology problems through innovative solutions connecting collaboration partners across technology sectors.

**Workshops:** A series of workshops assembling organizations from diverse fields to explore opportunities for solving difficult problems through new joint development partnerships, with a focus on strategic technology areas. Any organization can attend TCC workshops or request to make a presentation related to the workshop's topic area. The TCC also partners with other organizations on events related to potential collaborations for solving technology challenges.

- October 23: Water Quality & Purification, hosted by Ecolab
- January 2020: Imaging
- February 2020: 3 day Exploration EVA Workshop, in partnership with NASA Johnson Space Center
- March 2020: Climate Change/CO2 Reduction, hosted by Rice University
- April 2020: 2 day Wearable Technologies (including university challenge program)
- Additional workshops will be scheduled based on requests from TCC Members or in support of the Strategic Challenge Service

## Collaboration:

- **Strategic Challenge Service:** Launching in 2019, a new program helping organizations sharing major technology challenges form new collaboration partnerships, likely across technology sectors. The TCC will facilitate formation of the partnership, and then help the partnership build momentum towards solving the technology problems and bringing the solutions to market. Planning is underway for new partnerships for automation, imaging, resilient/renewable energy and water quality/purification.
- **Collaboration Concierge Service:** Assistance is provided to an organization with unmet technology challenges, helping them find new innovations and establish collaboration partnerships, solving these difficult challenges and bringing the solutions to market. Working with TCC members and organizations in the outside community, the TCC finds collaboration partners and assists with the formation of the new partnership. Any organization can submit a Collaboration Request or Response.

**Membership:** The TCC offers several membership levels providing preferred access to the TCC's programs, starting with Individual Memberships for \$100 per year. While membership is not required to attend TCC workshops or use the TCC's collaboration programs, members get early access to the TCC's programs plus discounted or waived program fees. Memberships require an annual cash and/or in-kind contribution to the TCC, a 501c3 public charity. Depending upon membership level, TCC members receive TCC Insiders News announcements and may have representatives participate on the TCC's Board of Directors and Advisory Council.