

Contact Information

Please contact Morgan Brown and/or Bri Nakamura with any questions, or if any incidents occur while you are at WEFTEC:

<p>Morgan Brown Manager, Technical Programs Water Science & Engineering Center Water Environment Federation Work Phone: 703-684-2400 x7467 Cell Phone: 703-887-0631 E-mail: mbrown@wef.org</p>	<p>Bri Nakamura, PE, ENV SP Manager, Collection Systems & Sustainability Water Science and Engineering Center Water Environment Federation Work Phone: 703-684-2439 Cell Phone: 808-258-0852 E-mail: bnakamura@wef.org</p>
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Bri and Morgan will not be in New Orleans until Saturday, September 29th. If you need assistance on site prior to this, please contact **Rahkia Nance**, who will be at Water Palooza on Friday and the Service Project on Saturday.

Rahkia Nance
Digital Communications Manager
Water Environment Federation
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WEFTEC Checklist

Before you head to WEFTEC be sure check the list below that you haven't forgotten anything!

Before you leave, don't forget to...

- Send Morgan your **student profile**.
- Complete and update your **LinkedIn** (<https://www.linkedin.com>) profile, it's the easiest and most professional way for people to look you up!
- Update and bring 10 copies of your **resume**, one of the activities is a career fair where you'll want to make your best 1st impression!
- REGISTER for WEFTEC!** Instructions on how to receive your complimentary registration are in your welcome packet.
- Download the WEF Events App** to help you plan and stay on schedule!
- Hotel and flight confirmation**
- Print your Jammin' 4 Water Ticket** and bring it with you to Saturday's event
- Think about **questions** you would want to ask African American leaders in water.

Don't forget to pack...

- Business casual** attire for Sunday-Tuesday
- Comfortable shoes!** Remember WEFTEC is almost a mile long, you won't want to wear heels for that.
- Clothes you don't mind getting dirty** for the Saturday service project. You will be outside all day and a shirt will be provided. Please wear closed toe shoes.
- Jeans and a t-shirt with your school name on it to wear for Water Palooza**
- Remember all your toiletries.**

About WEF InFLOW

The Water Environment Federation (WEF) is excited to introduce **WEF InFLOW**, a new initiative that strives to identify promising students from underrepresented minority groups who are interested in professional careers in the water industry.

WEF InFLOW is a scholarship program, which invites students to attend WEFTEC to:

- solidify their interest in working in the water sector;
- help foster a network within WEF and water to increase probabilities for employment and for long term success.

The program will kick-off at WEFTEC 2018 (<https://www.weftec.org/>), and provides travel assistance, hotel accommodations, registration, and additional networking opportunities to students. WEFTEC is the largest conference of its kind in North America and provides water quality professionals from around the world with the best water quality education and training available today. The program will take place at WEFTEC 2018 in New Orleans, LA from Friday, September 28 to Tuesday, October 2.

WEF InFLOW plans to take a similar approach as the successful Young Professional Springboard program which identifies and engages young professionals in WEF activities (specifically the Midyear Meeting and the Utility Management Conference). Many of the program participants are now very engaged in WEF activities, taking leadership positions on WEF committees, and are also progressing to leadership roles in their organizations.

Program Participants

In our pilot year, WEF InFLOW will initially focus on African American students. African Americans are currently a group that is the most underrepresented with respect to the percentage of the population versus percentage engaged in STEM. In future years, WEF InFLOW hopes to expand and include other underrepresented minority groups and schools, as well as leverage the program to engage in other activities in support of WEF's Strategic Goals.

For the 2018 WEF InFLOW program, the following criteria was used to identify program participants:

- Full-time student currently enrolled in a college or university
- Beginning Junior or Senior year, or Graduate student
- Majoring in Civil, Chemical, Mechanical, or Environmental Engineering, or Environmental Science
- Strive for a gender balance
- Able to fully participate in program and engage with sponsors, NOLA community, WEF members, WEFTEC attendees

Thanks to our sponsors (Arcadis, GlobalWET, Centrisys/CNP, Environmental Technical Sales, Inc. (ETEC), and the Milwaukee Water Council), WEF is excited to announce that this year's program will include **sixteen (16) students** from Howard University (Washington, DC), Tuskegee University (Tuskegee, Alabama), and University of South Florida (Tampa, Florida).

Calendar of Events:

(Highlighted Events are Mandatory)

<p>Prior to WEFTEC</p>	<p>WEFTEC Program Orientation Conducted in person at Howard University (for Howard Students) or by Go to meeting (for others)</p> <p>Hosted by Morgan Brown, Manager, Technical Programs and Bri Nakamura, Senior Manager, Technical Programs at WEF (https://www.linkedin.com/in/morganebrown/) (https://www.linkedin.com/in/brianne-nakamura-6352482a/)</p> <p>Introduce students to the program and WEFTEC ahead of the conference.</p>																					
<p>Thursday, Sept. 27</p>	<p>Evening – Students fly in</p>																					
<p>Friday, Sept. 28</p>	<p>Water Palooza – 9:00 am to 3:00 pm St. Mary’s Academy 6905 Chef Menteur Highway New Orleans, LA (transportation not provided – please use Uber or Lyft!)</p> <p>Water Palooza is a day long educational event at a local school for elementary and middle school students. The goal of Water Palooza is to engage students in hands-on and demonstrative activities that promote the value of water and encourage students to become stewards of their own water environment. The host charter school has a largely African-American student population.</p> <p>InFLOW students will have a booth with a specific activity related to water, representing their school and promoting STEM/Water to the elementary school students. This is also a great opportunity to meet other Students and Young Professionals that will be participating in the event. https://www.wef.org/membership/students-and-young-professionals2/waterpalooza/</p> <p>Schedule:</p> <table border="1" data-bbox="444 1356 1463 1619"> <thead> <tr> <th>Start</th> <th>End</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>8:15am</td> <td>9:00am</td> <td>Set up</td> </tr> <tr> <td>9:00am</td> <td>10:30am</td> <td>1st rotation of students (likely kindergarteners)</td> </tr> <tr> <td>10:45am</td> <td>12:00pm</td> <td>Lunch break (provided)</td> </tr> <tr> <td>12:00pm</td> <td>1:15pm</td> <td>2nd rotation of students (1st and 2nd graders)</td> </tr> <tr> <td>1:30pm</td> <td>2:45pm</td> <td>3rd rotation of students (3rd and 4th graders)</td> </tr> <tr> <td>3:00pm</td> <td>4:00pm</td> <td>Pack up</td> </tr> </tbody> </table>	Start	End	Description	8:15am	9:00am	Set up	9:00am	10:30am	1 st rotation of students (likely kindergarteners)	10:45am	12:00pm	Lunch break (provided)	12:00pm	1:15pm	2 nd rotation of students (1 st and 2 nd graders)	1:30pm	2:45pm	3 rd rotation of students (3 rd and 4 th graders)	3:00pm	4:00pm	Pack up
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<p>Saturday, Sept. 29</p>	<p>Activity 1 WEF Students and Young Professionals Committee Community Service Project – 9:00 am to 4:00 pm Treme Community Recreation Center, New Orleans (http://nordc.org/parks/treme/)</p> <p>Transportation, lunch, and a project t-shirt are provided for all volunteers.</p>																					

	<p>Volunteer buses board at the New Orleans Morial Convention Center (900 Convention Center Blvd.) at 8:30am at the Halls H/I covered drive, and will be departing by 9:00am. Buses will arrive back at the Convention Center by 4:00pm.</p> <p>Volunteers will spend the day constructing a bioswale and an educational green infrastructure graphic. The project will serve as an educational platform for the community to learn about water, the environment, and green infrastructure. Please wear comfortable clothes and shoes!</p> <p>InFLOW students will participate as volunteers at this event. https://www.wef.org/membership/students-and-young-professionals2/service-project/</p> <p><u>Activity 2</u> Jammin' 4 Water – 6:00 pm to 1:00 am The Historic Carver Theater 2102 Orleans Avenue New Orleans, LA 70116 (http://carvertheater.com/)</p> <p>Your ticket will be sent to you via e-mail. Please print out your ticket and bring it with you. Morgan will also bring printed copies of all tickets.</p> <p>The Sixth Annual Jammin' 4 Water event features the amateur musical talents of water quality professionals benefiting the WEF Community Service Project as well as Water, Sanitation, and Hygiene focused charities.</p>
<p>Sunday, Sept. 30</p>	<p><u>Activity 1</u> Free morning for InFLOW students to explore New Orleans on own (we suggest getting beignets at Café Du Monde!)</p> <p>Before you head to the rest of the Sunday Events, be sure to pick up your badges at the registration desk!</p> <p><u>Activity 2</u> Student Design Competition – 1:00 pm to 3:45 pm Students from various universities and representing their member associations will present their design projects in both the wastewater and environmental topic areas. The design projects are generally based on work with partner utilities local to the university.</p> <p>InFLOW students will attend the latter portion of the competition, observe 2-3 student team presentations and participate in the process challenge. This will give students an idea of what other students are doing and some background information to potentially form a school team in future years. https://www.wef.org/membership/students-and-young-professionals2/student-design/</p> <p><u>Activity 3</u> Networking Panel – 4:00 pm to 5:30 pm Room 270</p>

	<p>A panel of African American emerging and established leaders in the water industry will talk about their journey to water and career path and give advice for the outreach students. Students will have an opportunity to ask questions. The goal is to have representation from utility, academia, consulting, as well as potentially other areas such as regulatory and manufacturing.</p> <p><u>Activity 4</u> Mix with Members – 5:00 pm to 6:30 pm Grand Hall Foyer Enjoy cocktails and conversation with representatives of WEF's committee communities, WEFTEC exhibitors, and fellow WEF Members in an atmosphere designed to help you achieve success by association.</p>
<p>Monday, Oct. 1</p>	<p><u>Activity 1</u> Opening General Session: Be a Hero, Water's Worth It – 8:30 am to 9:30 am https://weftec.org/attend/meetings--events/featured-events/2018-opening-general-session/</p> <p>Students will have VIP seating near the stage, so please be on time to the event!</p> <p><u>Activity 2</u> Annual Student Chapter Meeting – 10:00 am to 11:00am Network with other student chapters, share ideas, and learn how we can help as you begin your professional career.</p> <p><u>Activity 3</u> Students & Young Professionals Committee Meeting – 11:00 am to 12:30 pm Young Professionals, Students, Academics, and Member Association Leaders are invited to attend this meeting held annually at WEFTEC.</p> <p><u>Activity 4</u> Career Fair – 1:00 pm to 4:00 pm Network with multiple companies for potential internship or employment opportunities. Students do not need to be present for this entire duration of the Career Fair. Remaining time will otherwise be spent on Activity 5</p> <p><u>Activity 5</u> Attend Technical Sessions or the Exhibit Floor There are many technical sessions ongoing as well as a large exhibit floor with many exhibitors. More information can be obtained via the mobile app and the WEFTEC site. http://app2.core-apps.com/weftec2018</p> <p>Potential Sessions of Interest include: Session 214 (1:30-3:00pm, Room 343) Fundamentals: De-Mystifying Urban Stormwater Programs – For WEFTEC attendees who might describe stormwater as either a "black box" of policy intricacies or a "black hole" of technical and regulatory complexity, this fundamentals session features a friendly overview of the questions allied water professionals are (sometimes) afraid to ask, and two valuable case studies of very different but equally well-developed stormwater programs in New York City and Johnson County, Kansas - all geared to de-</p>

mystify the components of developing and operating strong urban stormwater programs.

Session 219 (1:30-3:00pm, Room 357) Water and Sanitation: Developmental and Humanitarian Programs

This session will cover how small islands in the South Pacific and the Caribbean and other larger developing nations have responded to recent natural disasters, discuss what was learned from these events, and discuss how communities can implement long-term WaSH solutions to increase community resilience and decrease public health risks during and after future events.

Session 225 (3:30-5:00pm, Room 357) Get Smart: IOT and AI in the Water Utility Sector

The "Internet of Things" (IOT) and "Artificial Intelligence" (AI) will materially change the way in which water utilities monitor, operate and optimize their network and treatment assets. The falling cost and miniaturization of a wide range of measurement and monitoring devices and the ease with which data can continuously be uploaded via 4G and 5G networks to the "cloud", enables asset managers and plant operators to use powerful computers and AI to instantaneously respond to different operating conditions or non-normal events. Furthermore, the "self-learning" ability of AI, in combination with a multitude of internet-connected devices, will reduce the dependence on manual operation for many repetitive tasks and routines. This session will demonstrate some examples of utilities adopting such leading-edge technologies and operating practices.

Session 235 (3:30-5:00pm, Innovation Pavilion) The CROC Tank: Imagine H2O Water Start-Ups Pitch to Our Experts

These start-ups have won awards, but can they win over our panelists of investors, advisors, industrial, and municipal customers? Each company will pitch for 3-5 minutes after which the panel will grill them about their business model, technology, intellectual property, marketing strategy, and more. Nothing is off limits in these lightning fast pitches that are modeled after the successful Shark Tank TV show. This session is sponsored by Imagine H2O and their winners will be featured.

Session 236 (4:30-5:00pm, Innovation Pavilion) UNLEASH-ing the SDGs: Take-Aways From a Global Innovation Lab in Singapore

Six WEF members traveled to Singapore in June 2018 to take part in UNLEASH Lab, a global innovation lab for the UN Sustainable Development Goals (SDGs). Along with 1000 other young talents from around the world, they took part in an 8-day long process where they co-created real world solutions to try to help solve the SDGs. Participants from the program, all focused on the water SDG, will come together in this session to discuss their projects, solutions and takeaways from this unique experience.

Activity 6

Student Appreciation Reception – 5:00pm to 7:00pm

Location: B.B. King's Blues Club

Networking with peers and other academia.

Activity 7

	<p>AEESP Meet and Greet Reception – 5:30pm to 7:00pm Location: Hilton New Orleans, Riverside Building, Compass Room Join AEESP members for a fun and informal reception of the association. The Meet and Greet also coincides with the Annual AEESP Awards Ceremony including recognizing the winning teams of the 2017-2018 AEESP/EESP Student Video Competition.</p> <p><u>Activity 8</u> YP Reception – 8:00pm to 11:00pm. Location: Crescent City Brewhouse Join WEF's Students and Young Professionals Committee for a fun-filled evening of conversation and peer-to-peer networking. This event is only open to those that are 21 and over.</p>
<p>Tuesday, Oct. 2</p>	<p><u>Activity 1</u> Attend Technical Sessions or the Exhibit Floor There are many technical sessions ongoing as well as a large exhibit floor with many exhibitors. More information can be obtained via the mobile app and the WEFTEC site. http://app2.core-apps.com/weftec2018</p> <p>Potential Sessions of Interest include:</p> <p>Session 309 (8:30am-12:00pm, Room 352) Carbon for Energy or Carbon for BNR: You be the Judge (...Well ok, the Jury) – This is an interactive session where attendees will be asked to be jurors in the land mark case: Carbon for Energy v. Carbon for Biological Nutrient Removal. Expert litigators will make their best case and our honorable Judge will hope to maintain order in the session hall, but the verdict will be up to you.</p> <p>Session 313 (8:30am-12pm, Room 256) Collection Systems: Back to Basics! – Are you new to Collection System engineering, operations or management? These papers present important information you need to know! Presentation topics include design standards; sewer investigation, rehabilitation and preventative maintenance; modeling; and pump stations.</p> <p>Session 330 (9:00am-12pm, Booth 4609, Hall F) Mobile Session: Wastewater 101 – Does the exhibition floor have you feeling lost or overwhelmed? Are you not sure where to start? Let us guide you through the exhibition floor as we go with the flow of a wastewater treatment facility! This session is designed to engage public officials, young professionals, students, and people new to the industry with an introduction to wastewater treatment processes and hot-topics. Participants will begin with a brief overview of a hypothetical wastewater treatment plant, which will include a dynamic video. Attendees will then journey around the exhibition floor to meet with exhibitors and see equipment firsthand. The tour will cover regulations; preliminary, primary, secondary, and effluent treatment; energy conservation and recovery; and resource recovery.</p> <p>Session 343 (11:30am-12pm, Innovation Pavilion) Building the Future Water Workforce: Tapping into Talent from Underrepresented Communities – With funding from JP Morgan, The Water Council launched an initiative with Historic Black Colleges and Universities, in particular Tuskegee University, to</p>

provide internships for students in Milwaukee's water tech hub. Hear the students themselves describe their experiences at the Milwaukee Metropolitan Sewerage District, Stonehouse Water Technologies (a startup), and A. O. Smith.

Activity 2

Networking Luncheon – 12:00pm to 1:30pm

Location: Mother's Restaurant, 401 Poydras St, New Orleans, LA 70130

<https://www.mothersrestaurant.net/>

To close out WEF InFLOW, the program sponsors will be hosting a networking luncheon for the students to meet, share their experiences at WEFTEC, and ask questions of professionals in the water industry.

Tuesday Evening – Students depart



Water Palooza Activity - What Not to Flush

Summary:

This demonstration will show items that can and cannot be flushed.

Materials:

- Toilet
- Items the CAN be flushed (the 3P's)
 - Toilet "paper"
 - "poop" pellets
 - "pee" yellow liquid
- Items that CAN'T be flushed
 - Rubber Ducky (or other toys)
 - Oil
 - Grease
 - Soap
 - Medicine (in the form of tic tacs)
 - "Flushable" Wipes and Baby Wipes

Volunteer Duties:

- Ask students what they think can and cannot be flushed. Blue buzzer is for correct answers and yellow buzzer is for incorrect answers.
- Teach kids that only the 3Ps go down the toilet: poo, pee, and TP!
- Explain to students why the toilet paper is the only thing that is dissolving and why everything else doesn't dissolve, and will clog the toilet and pipes.

Activity:

- As students come to the booth, mix the items up so that they are separated from the previous groups sorting.
- Ask the students which items they think can and cannot be flushed and separate them on the table.

WEF InFLOW Networking Panel

Date: September 30, 2018

Time: 4:00 PM – 5:30 PM

Location: Room 270, New Orleans Morial Convention Center

Agenda

4:00 PM – 4:20 PM

WEF InFLOW Participant Introductions

A brief introduction to our 2018 WEF InFLOW participants, including *why they are interest in the water industry* and their experiences so far.

4:20 PM – 4:50 PM

Panelist Introductions

A brief introduction of our outstanding lineup of panelist, who include emerging and established African American leaders from throughout the water industry.

Panelist include:

- **Aisha Niang**, Deputy Assistant Director, City of Houston
- **Carlton Serrette**, Sr. Vice President at Arcadis (Tampa, St. Petersburg, Florida Area)
- **Dr. David Gadis**, General Manager and CEO of DC Water (Washington, DC)
- **Dr. Joel Ducoste** Professor in the Civil, Construction, and Environmental Engineering Department at North Carolina State University
- **Kishia Powell**, Commissioner, City of Atlanta (GA) Department of Watershed Management
- **Marcia St. Martin**, retired Executive Director, Sewerage & Water Board of New Orleans, LA

4:50 PM – 5:20 PM

Q&A and Panel Discussion

Moderated by **Dorn Sanders**, Business Development Manager at the Water Research Foundation, panelist will be discussing everything from how their *journey in water started*, why they chose their career path, barriers they have faced, and what they see for the future of the water industry.

5:20 PM – 5:30 PM

Closing Remarks

WEF President-Elect **Tom Kunetz** (Assistant Director of Engineering, MWRD of Greater Chicago) and Howard President **Dr. Wayne Frederick**, will close the panel discussion with his reflections on how to continue the conversation between the water sector and the future workforce.

A big thanks to the **WEF InFLOW Sponsors:**



Meals!

Here are all the meals that you will be able to get for free:

Friday:

- Complimentary breakfast at Hotel
- Lunch Provided at Water Palooza

Saturday

- Complimentary breakfast at Hotel
- Lunch Provided at Service Project event

Sunday

- Complimentary breakfast at Hotel
- Lunch Provided at the WEFTEC Student Lounge from 11:00am-1:00pm
- Appetizers provided at Mix with Members from 5:30-6:30pm

Monday

- Complimentary breakfast at Hotel
- Lunch Provided at the WEFTEC Student Lounge from 11:00am-1:00pm
- There are multiple receptions in the evening where food will be provided, including the Student Appreciation Reception (5-7pm) and Young Professionals Reception (8-11pm, 21 and over only). For more information on these events, please check your Calendar of Events

Tuesday

- Complimentary breakfast at Hotel
- Lunch will be provided at the WEF InFLOW Networking Luncheon Sponsored by Arcadis (see the Calendar of Events for Details)

Digital Communications Plan

We are thrilled to have you join us for WEFTEC 2018!

As part of our digital communications plan, we'd like to share your experiences through video. Our **Digital Communications Manager Rahkia Nance** will be contacting you soon to gauge your interest in appearing in the video.

Also, please share any photos you take during WEFTEC with our Digital Communications Manager Rahkia Nance. Her email address is rnance@wef.org.

During the networking luncheon on **Tuesday, Oct. 2**, she'll be chatting with a few of you about your experiences. Here are some of the questions:

- What has your experience been like?
- What did you know about the water sector before this?
- How has this experience changed your view on the water sector and your career?
- What have you learned?

Share your experience through social media!

We invite you join the social media conversation during WEFTEC!:

Official hashtag: #WEFTEC18

Twitter: twitter.com/WEFTEC

Facebook: facebook.com/WEFTEC

Instagram: @wef_org

WEFTEC 2018 Program Participants

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