



FWEA

West Coast Chapter

3rd Quarter 2013

INSIDE THIS ISSUE:

°Luncheon Speaker and Registration

°FWEA Wastewater Process Committee Seminar on November 5, 2013

°USF Student Activities

UPCOMING EVENTS

- Day with the Rays
The FWEA-West Coast Chapter will be sponsoring its 3rd annual "Day with the Rays" event on Sunday September 22nd.
- Happy Hour & Plant Tour at Northwest Regional Water Reclamation Facility
Date- TBD
- Student Design Competition Practice Session
Date- TBD

CONFERENCES

2013 ISA Water/Wastewater and Automatic Controls Symposium
August 6-8, 2013 at Crowne Plaza Orlando-Universal Hotel.

WEFTEC 2013

WEFTEC 2013 will be held at McCormick Place South in Chicago from Oct. 5-9.

The following is Part 4 of a Series of 4 articles that we are including in the FWEA West Coast Chapter newsletters.

The Golden Anniversary – Retention in the Engineering Environment

By: Rachel Cantor Fogarty, RC Associates, LLC

Rachel Cantor Fogarty is the President of RC Associates, an engineering recruiting firm, which provides retained recruiting services to growing engineering companies nationwide. For more information visit www.rcassociatesllc.com or contact Rachel at Rachel@rcassociatesllc.com or 813-286-2075.

As we come to the conclusion of our series, you have learned about how to create a successful career path for life, the essentials of networking, and finding your dream job. Now, let's say that you have followed these principles and 50 years have gone by. As you get ready to celebrate the Golden Anniversary of your career, let's take a moment to look back and discuss the key points that may have helped you hold on to that dream job for so many years. These are common attributes shared by engineers who have found long term success and satisfaction with their careers. I have come to call them "Retention in the Engineering Environment" in my various speaking engagements around the country.

They keys to being retained in your dream job come down to four basic points:

Point 1: Forming the "Dream Team" -- In the last article, we discussed finding your dream job but once you do, it is important to figure out your dream team. Early on in your career you probably figured out your strengths and weaknesses as an employee. Everyone has them, but those who hunger for success will realize what their weaknesses are, and surround themselves with folks who have those traits as their strengths. Making sure that the team you are working with is comprised of individuals that compliment your weaknesses and that you work well with is an important factor throughout your career. For example, if you find that you are very technical in nature but have a hard time communicating your thoughts to clients, it is essential that a strong people person that enjoys client interaction is on your team.

GREELEY AND HANSEN
Designing better urban environments

| | | |
|-------------|-----------|----------------|
| water | Tampa | (813) 873-3666 |
| wastewater | Sarasota | (941) 378-3579 |
| water reuse | Ft. Myers | (239) 226-9660 |

www.greeley-hansen.com

FWEA

West Coast Chapter



FWEA

West Coast Chapter

3rd Quarter 2013

Just as important as balancing out your weaknesses is finding team members that you click with in terms of work styles. This will keep changing as new team members are hired over the years and / or get promoted into new groups. It is important to have these things defined and communicated within your group so when hiring you can find the right individuals from the start. Once the perfect compliment is found for work styles and skills, your team will be the well oiled machine that

clients come back to over and over, and you can enjoy the camaraderie through the golden years of your career. I have seen many teams of individuals that have followed each other to new groups and organizations over the years, as once you find that sweet spot it is hard to work any other way.

Point 2: Communication -- It sounds quite simple but effective communication is the key to any successful relationship. You have probably heard this from many who have reached the 50 year mark in ANY relationship, but it is especially applicable in your career. Keeping your operating plan and the goals to your career clear to your boss will help you reach those goals quickly and with fewer bumps. The better you are able to articulate what makes you happy and motivated at work the more likely you are to stay in tuned with your employers plans for your career, which is the right track for long term success.

Point 3: Lifelong Professional Organization Involvement -- I cannot stress enough the importance of staying involved and informed in professional organizations throughout your career. You may think that once in that dream job with a client centered role, you are finished with professional organization involvement. In talking to professionals getting ready to retire that look back at their career, a huge take away has been the benefits gained by lifeline activity in professional organizations. Whether it is local meeting involvement or regular conference attendance, professional organization involvement is key to staying up to date on the industry trends and maintaining lifelong contacts with colleagues in the field.

Point 4: Going the Extra Mile -- Sometimes it's the little things that can make the biggest impact in the end. Simple things such as showing up on time, working extra hours when needed, volunteering to take on a project that no one else wants to do, showing initiative and motivation at work goes a long way in setting yourself up for a lifelong career of success. There will be times in your career when your kids are young or

create: sustainable | innovative | solutions



- Water / Wastewater
- Watershed Management
- GIS / Asset Management

380 Park Place Blvd., Suite 300
Clearwater, FL 33750
800.861.8314 **www.CardnoTBE.com**



listen. think. deliver.



Water
Environment
Transportation
Energy
Facilities

**CDM
Smith**
cdmsmith.com

Offices worldwide

FWEA

West Coast Chapter



FWEA

West Coast Chapter

3rd Quarter 2013

have a sick family member at home that you may not be able to put in 110% but even in those times showing loyalty, trustworthiness, and responsibility can go a long way to smoothly reaching your Golden Anniversary.

I hope you have enjoyed spending a few minutes with me each issue on developing your career, and that you now have a clearer view on how to reach your Golden Anniversary. While there are always a number of bumps, turns and surprises along the way, keeping in mind the traits discussed over the last few months will help you find and keep that dream job. I hope that when you do, you will look around after 50 years and be able to congratulate yourself on a life-long career of success, and enjoy that gold watch from a grateful employer -- you will have earned it!



Two-thirds of our planet is made up of water.
Naturally, it takes a global company to care for it.

Whether the issue is water treatment, water supply, coastal management, or worldwide climate change -- solving the challenges of water is what we do best. For over a century, our experts have used insight and innovation to solve our clients' water problems.

Now, with the fusion of ARCADIS and Malcolm Pirnie, we can bring our unmatched global resources to bear on your water project. Using a comprehensive, results-driven approach based on broad experience in water management and treatment, we create lasting solutions, sustainable quality and ecological balance in both the business and natural worlds.

www.arcadis-us.com

Imagine the result



HAZEN AND SAWYER
Environmental Engineers & Scientists

Water | Wastewater | Stormwater
Sustainability | Innovation
www.hazenandsawyer.com



Engineering Excellence
*Providing Customized Solutions
to Environmental Challenges*



FWEA

West Coast Chapter



FWEA

West Coast Chapter

3rd Quarter 2013

UPCOMING EVENTS

Day with the Rays


The FWEA-West Coast Chapter will be sponsoring its 3rd annual “Day with the Rays” event on Sunday September 22nd. Tailgate with friends, family, and other FWEA members prior to the Rays/Orioles game at Tropicana Field. More information on the tailgate and discounted tickets will be available in late August.

Happy Hour & Plant Tour at Northwest Regional Water Reclamation Facility

After a successful turnout in February, FWEA-West Coast Chapter is glad to announce plans for another Plant Tour of the Hillsborough County Northwest Regional Water Reclamation Facility followed by a Networking/Happy Hour. Tentative plans are in the works. More information will be available at the next luncheon.

Student Design Competition Practice Session


After a victory at the local Student Design Competition held at FWRC in April, 2013, the winning teams from USF would like to have a practice session for their final competition at WEFTEC 2013. FWEA West Coast Chapter supports our USF Student Chapter and the Student Design Competition Committee and will be organizing a practice session at USF. We would be having a mock judging panel and professional audience to provide input to help the teams prepare. For those who are interested in participating, please contact Karen Lowe, CDM Smith at LoweKS@cdmsmith.com.



Providing clear direction
for a common vision.

Total Water Management / Advanced Treatment /
Biosolids / Utility Infrastructure / Regulatory Compliance /
Program Management / Construction Management

TAMPA MIAMI FT. LAUDERDALE JACKSONVILLE CHIPLEY

 GRESHAM
SMITH AND
PARTNERS

www.gspnet.com



Luncheon Meeting

Luncheon Information Columbia Restaurant

2117 East 7th Avenue
Tampa, Florida 33605-3903
Thursday, August 15, 2013

- Registration - 11:30 AM
- Lunch - 12:00 PM

Menu

1905 Salad - Crisp iceberg lettuce with julienne of baked ham, natural Swiss cheese, fresh tomato, olives, grated Romano cheese and garlic dressing.

Option 1 – Arroz con Pollo:

Chicken baked with yellow rice, green peppers, Spanish onions, tomatoes, white wine and virgin olive oil. Topped with green peas and pimientos.

Option 2 – Ropa Vieja:

Shredded beef sautéed with onions, green peppers, and tomatoes. Served with platanos and white rice.

Option 3 – Merluza “Russian Style”:

Premium Atlantic Merluza, a tropical white flaky fish, breaded with Cuban bread crumbs and grilled. Garnished with a Russian sauce of lemon butter, parsley and hard boiled eggs. Served with yellow rice.

Option 4 – Vegetarian

Dessert – Flan

Hillsborough County's Wastewater Utility Critical Valve Assessment Program

Please join us as Mr. Yoav Rappaport and Ms. Amber Fuxan, P.E. of Parsons presents on Hillsborough County's Wastewater Utility Critical Valve Assessment Program. The program required a significant data collection effort of all valves 4-inches and larger throughout the County's existing master pump stations, forcemains, and treatment facilities. The brief presentation will include methods and tools used to increase the efficiency of data collection and lessons learned through this unique, pre-emptive approach to asset maintenance.

Mr. Rappaport has over 16 years of experience applying Geographic Information Systems (GIS) spatial analyses to environmental resource management, route alternative studies, watershed modeling, hydraulic analyses, water flow analyses, urban planning, and utilities mapping. He holds an MBA and Masters Degree in Marine Science from USF and a Geology degree from University of Toronto and served as the Deputy Project Manager during the assessment project.

Ms. Amber Fuxan is a professional engineer with a Bachelors Degree in Civil Engineering from the University of South Florida. She has over 9 years experience in water resources engineering with emphasis on the utilization of modeling, analytical tools, and geographic information systems to aid in the following: watershed modeling, floodplain mapping, hydrologic and hydraulic analyses, scour analysis, scour protection, urban planning, watershed protection, utilities mapping, and utilities relocation. She has been a project engineer for the Hillsborough County Wastewater Valves Condition Assessment project. Amber has been employed at Parsons since 2008 where she is a Civil Engineer II.



Jacobs
Air Water Systems

• ODOR CONTROL

• DEGASIFICATION

• CHEMICAL FEED SYSTEMS

11025 Countryway Blvd. Tampa, FL 33626 P:813.854.2354

Full Members: \$22 for those pre-registered, \$25 at the door * Student Members: \$22 for those pre-registered.

Registration Form

Pre-Registration Deadline: Friday, August 9th (Also Register through FWEA.org)

Please make checks payable to **FWEA**

Name: _____

Company/Affiliation: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: _____ Choice of Meal: _____

Send Check and Registration to:

Ricardo Borromeo

Atkins

4030 West Boy Scout Blvd., Suite 700,
Tampa, Florida 33607

Tel: (813) 282 7275 Ext. 8388

Fax: (813) 636 8583

E-mail:

Ricardo.borromeo@atkinsglobal.com

Register Online http://mms.fwea.org/members/evr/reg_event.php?orgcode=FWEA&evid=6929641



FWEA

West Coast Chapter

3rd Quarter 2013

The FWEA Wastewater Process Committee Presents
the Regional Seminar Series



WASTEWATER TREATMENT FROM STEM TO STERN – RIGHTING THE PROCESS SHIP

You are invited to
attend this one-day
seminar to be held at
three locations:

Central Florida
NOVEMBER 5,
2013

South Florida
MARCH 2014
(more information
to come)

Northeast Florida
FALL 2014
(more information
to come)

The program will
feature several
professionals and
process experts
presenting on the
following topics:

- **Regulation Affecting Utilities in Florida**
Paul Steinbrecher, P.E.
- **Preliminary Treatment (Screening and Grit Removal)**
Joshua Boltz, Ph.D., P.E.
- **Primary Clarification for Energy Efficiency**
Jose Jimenez, Ph.D., P.E.
- **5-Stage Bardenpho – Basics and Control**
Marie Pellegrin, Ph.D., P.E.
- **Clarifiers – Enhancements to Performance**
John Elser, P.E.
- **Optimizing Clarifier and Mixer Designs Using CFD Modeling**
Randal Samstag, P.E., BCEE
- **Enhancing BNR**
Ron Trygar, P.E.
- **Disinfection to Reduce DBPs**
Dave Hagan, P.E.
- **Wastewater Treatment Energy Optimization**
Jane Zhang, Ph.D.

CENTRAL FLORIDA EVENT DETAILS:

*Register now to
reserve your seat!!
Limited spots
available!*

DATE:
November 5, 2013

REGISTRATION TIME:
8:00 - 8:30 AM

PROGRAM DURATION:
8:30 - 4:30 PM

LOCATION:
Polk County Utilities
1011 Jim Keene Blvd
Winter Haven, FL 33880

REGISTRATION COST:
Member (pre-registered): \$85
Member (register on-site): \$125
Non-member: \$180 (includes WEF/
FWEA membership)
Non-member Public Employee:
\$135 (includes FWEA membership)

SPONSORSHIP:
\$250 (includes company name in flyer
and all advertising of program)

Online registration is available for this CEU/PDH opportunity at www.fwea.org.

FWEA

West Coast Chapter



FWEA

West Coast Chapter

3rd Quarter 2013

USF Student Activities

The FWEA student chapter at the University of South Florida is looking forward to the future. USF would like to invite the professional chapter of FWEA to all events hosted by the student chapter. The university has applied to be a part of the Kappe Lecture Series, and if USF is chosen, we will have the privilege of having George Tchobanglous from UC Davis speak at the school. If this happens, we invite the professional chapter to attend his presentation.

The USF student design teams that competed at the Florida Water Resources Conference placed first in both the environmental and wastewater categories for the second year in a row. USF is planning for one or both of the student design teams to practice their presentations in front of the students and professional members sometime in September. After the presentation, the teams will appreciate critique from the professionals, and any professionals who are willing can speak as part of a career panel for the attending students. In addition to this event, the student chapter is looking for volunteers from the professional committee to speak to the student chapter at meetings to introduce students to their career and allow the students to ask questions about careers in the water environment field.



ATKINS

Architecture
Engineering
Environmental
Construction

We're bringing more to our projects.

Our success has been founded on truly understanding local requirements, practices, and stakeholder concerns.

We bring best practices from the world's most vibrant markets and draw upon the resources and capabilities that have made Atkins one of the largest international design and engineering firms.

Plan Design Enable
www.atkinsglobal.com/northamerica

800.477.7275

2013 West Coast FWEA Chapter Committee Members

Chair – Nita Naik
(Greeley and Hansen)

Vice Chair – Juan Oquendo (Gresham, Smith and Partners)

Treasurer – Taylor Norrell (Black & Veatch)

Secretary – Ricardo Borromeo (Atkins Global)

Content – Mike Carballa (Florida Design Consultants) **New Member**

Special Events and Public Relations – Karen Lowe (CDM Smith)

Communications – Jacob Porter (Hazen and Sawyer) and Freddy Betancourt (Greeley & Hansen) **New Member**

YP Chair – Joe Zaccardelli (Jacobs Air Water Systems)

Membership – Rachel Cantor (RC Associates, LLC)

Web Master – Matt Love (McKim & Creed)

USF Representatives – Dr. Sarina Ergas / Trista Brophy